

# SECTION VII POTENTIAL LINKAGE ZONES



## Linkage 1

### Beaver Dam Slope – Virgin Slope

Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Flagstaff and Kingman

ADOT Maintenance: Fredonia and Kingman

ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II

BLM: Arizona Strip District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**

Mohave Desertscrub 100%

**Land Ownership:**

Bureau of Land Management 59%  
 Private 27%  
 State Trust Land 14%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- Arizona Toad *Bufo microscaphus*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus "Pantosteus" clarki*
- Flannelmouth Sucker *Catostomus "Pantosteus" discobolus*

**(Linkage 1: Identified Species continued)**

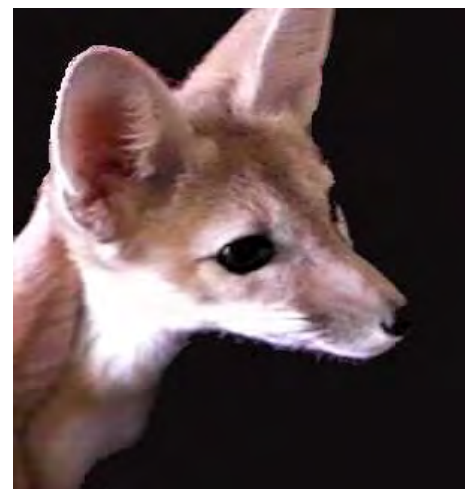
- Kit Fox *Vulpes macrotis*
- Mohave Desert Tortoise *Gopherus agassizii*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Speckled Dace *Rhinichthys osculus*
- Spotted Bat *Euderma maculatum*
- Virgin Chub *Gila seminuda*
- Virgin Spinedace *Lepidomeda mollispinis mollispinis*
- Woundfin *Plagopterus argentissimus*

**Threats:**

- Highway (I 15)
- Urbanization

**Hydrology:**

- Big Bend Wash
- Coon Creek
- Virgin River



## Linkage 2

### Beaver Dam – Virgin Mountains

Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Flagstaff

ADOT Maintenance: Fredonia

ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II

BLM: Arizona Strip District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 3

**Biotic Communities (Vegetation Types):**

Mohave Desertscrub 100%

**Land Ownership:**

Bureau of Land Management 93%  
 Private Land 2%  
 State Trust Land 5%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Chiseled-Tooth Kangaroo Rat *Dipodomys microps leucotis*
- Flannelmouth Sucker *Catostomus "Pantosteus" discobolus*
- Hoary Bat *Lasiurus cinereus*
- Kit Fox *Vulpes macrotis*



### Linkage 3 Cedar Rim/Fredonia Pronghorn Crossing Colorado Plateau Ecoregion

**(Linkage 2: Identified Species continued)**

- Mohave Desert Tortoise *Gopherus agassizii*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Relict Leopard Frog *Rana onca*
- Silver-haired Bat *Lasionycteris noctivagans*
- Spotted Bat *Euderma maculatum*
- Utah Mountain Kingsnake *Lampropeltis pyromelana infralabialis*
- Virgin Spinedace *Lepidomeda mollispinis mollispinis*
- Woundfin *Plagopterus argentissimus*

**Threats:**

- Grazing
- Highway (I 15)

**Hydrology:**

- Black Rock Gulch
- Cedar Pockets Wash
- Mountain Sheep Wash
- Sullivans Canyon
- Virgin River



**County:** Mohave and Coconino

**ADOT Engineering District:** Flagstaff  
**ADOT Maintenance:** Fredonia  
**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region II

**BLM:** Arizona Strip District

**Congressional District:** 1 and 2

**Council of Government:** Northern Arizona Council of Governments and Western Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	6%
Great Basin Desertscrub	57%
Plains & Great Basin Grassland	37%

**Land Ownership:**

Bureau of Land Management	9%
Tribal Land (Kaibab)	20%
Private Land	43.5%
State Trust Land	27.5%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- Fringed Myotis *Myotis thysanodes*
- Grand Canyon Rattlesnake *Crotalis oreganos abyssus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pronghorn *Antilocapra americana*

**(Linkage 3: continued)**

**Threats:**

- Highway (SR 389)
- Urbanization

**Hydrology:**

- Big Sand Wash
- Cottonwood Creek
- Johnson Run
- Johnson Wash
- Kanab Creek
- Lost Spring Wash
- Pipe Valley Wash
- Sand Wash
- Sand Ridge Wash
- Sandy Canyon Wash
- Short Creek
- South Moccasin Wash
- Twomile Creek



**Linkage 4**  
**Kaibab – Paunsaugunt Plateau**  
 Colorado Plateau Ecoregion

County: Coconino

ADOT Engineering District: Flagstaff  
 ADOT Maintenance: Fredonia  
 ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II

BLM: Arizona Strip District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Great Basin Conifer Woodland 42%  
 Great Basin Desertscrub 20%  
 Plains & Great Basin Grassland 1%

\*Note: Linkage extends into Utah

**Land Ownership:**  
 Bureau of Land Management 51%  
 State Trust Land 12%

\*Note: Linkage extends into Utah

**Identified Species:**  
 Mule Deer *Odocoileus hemionus*  
 Mountain Lion *Felis concolor*

**Threats:**  
 Highway (US 89, US 89A)

**Hydrology:**  
 None identified at this time

**Linkage 5**  
**Kaibab Plateau North Rim**  
 Colorado Plateau Ecoregion

County: Coconino

ADOT Engineering District: Flagstaff  
 ADOT Maintenance: Fredonia  
 ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II

BLM: Arizona Strip District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 2 and 3

**Biotic Communities (Vegetation Types):**  
 Great Basin Conifer Woodland 28%  
 Petran Montane Conifer Forest 64%  
 Plains & Great Basin Grassland 1%  
 Subalpine Grassland 7%

**Land Ownership:**  
 Bureau of Land Management < 0.1%  
 USDA Forest Service (Kaibab) 99.7%  
 National Park Service (Grand Canyon) < 0.1%  
 Private Land < 0.1%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-eared Myotis *Myotis evotis*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Northern Goshawk *Accipiter gentilis*  
 Pine Grosbeak *Pinicola enucleator*

**(Linkage 5: Identified Species continued)**

Spotted Bat *Euderma maculatum*  
 Western Small-footed Myotis *Myotis ciliolabrum*  
 Wild Turkey *Meleagris gallopavo*

**Threats:**  
 Highway (SR 67)

**Hydrology:**  
 Jacob Canyon  
 Kane Canyon  
 Pleasant Valley Outlet  
 Rock Canyon  
 Warm Springs Canyon  
 Wildcat Canyon



**Linkage 6**  
**Paria Plateau – Kaibab Plateau**  
 Colorado Plateau Ecoregion

County: Coconino County

ADOT Engineering District: Flagstaff  
 ADOT Maintenance: Fredonia and Page  
 ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I and Region II

BLM: Arizona Strip District and Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 2 and 3

**Biotic Communities (Vegetation Types):**  
 Great Basin Desertscrub 67%  
 Plains & Great Basin Grassland 33%

**Land Ownership:**  
 Bureau of Land Management 96%  
 National Park Service (Glen Canyon, Grand Canyon) 1%  
 Private Land 2%  
 State Trust Land 1%  
 Tribal Land (Navajo) < 0.1%  
 USDA Forest Service (Kaibab) 1%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Bighorn Sheep *Ovis canadensis*  
 Chisel-toothed Kangaroo Rat *Dipodomys microps leucotis*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pronghorn *Antilocapra americana*  
 Western Burrowing Owl *Athene cunicularia hypugaea*

(Linkage 6: continued)

**Threats:**  
 Highway (SR 89A, BLM Road 1065)  
 Recreational Traffic (vehicular, pedestrian)

**Hydrology:**  
 Badger Creek  
 Colorado River  
 Emmett Wash  
 House Rock Wash  
 Soap Creek  
 South Fork Soap Creek



**Linkage 7**  
**Skeleton Mesa – Black Mesa**  
 Colorado Plateau Ecoregion

County: Navajo

ADOT Engineering District: Holbrook  
 ADOT Maintenance: Kayenta  
 ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 2

**Biotic Communities (Vegetation Types):**  
 Great Basin Conifer Woodland 62%  
 Great Basin Desertscrub 19%  
 Plains & Great Basin Grassland 19%

**Land Ownership:**  
 Tribal Land (Navajo) 100%

**Identified Species:**  
 Black Bear *Ursus americanus*  
 Hopi Rattlesnake *Crotalus viridis nuntius*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Navajo Mexican Vole *Microtus mexicanus navaho*

**Threats:**  
 Highway (US 160)  
 Ranching

**Hydrology:**  
 Laguna Creek  
 Shonto Wash  
 Tsegi Canyon



## Linkage 8 Chinle Valley – Chuska Mountains

Colorado Plateau Ecoregion

County: Apache

ADOT Engineering District: Holbrook  
ADOT Maintenance: Kayenta and Page  
ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 2

**Biotic Communities (Vegetation Types):**

Great Basin Desertscrub	73%
Plains & Great Basin Grassland	27%

**Land Ownership:**

Tribal Land (Navajo)	100%
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**Identified Species:**

- Black Bear *Ursus americanus*
- Black-Billed Magpie *Pica hudsonia*
- Hopi Rattlesnake *Crotalus viridis nuntius*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Leopard Frog *Rana pipiens*
- Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

- Highway Threat (US 191)

**Hydrology:**

- Agua Sal Creek

**(Linkage 8: Hydrology continued)**

- Black Mountain Wash
- Chinle Wash Cottonwood Wash
- Hasbidito Wash
- Lukachukai Wash
- Nazlini Wash
- Red Wash
- Sheep Dip Wash
- Trading Post Wash



## Linkage 9 Chuska Mountains – New Mexico

Arizona/New Mexico Mountains Ecoregion

County: Apache

ADOT Engineering District: Holbrook  
ADOT Maintenance: Kayenta and Page  
ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	8%
Great Basin Desertscrub	5%
Petran Montane Conifer Forest	22%
Petran Subalpine Conifer Forest	5%
Plains & Great Basin Grassland	7%
Subalpine Grassland	1%

\*Note: Half of Linkage is in New Mexico

**Land Ownership:**

Tribal Land (Navajo)	48%
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\*Note: Half of Linkage is in New Mexico

**Identified Species:**

- Elk *Cervus elaphus*
- Hopi Rattlesnake *Crotalus viridis nuntius*
- Mule Deer *Odocoileus hemionus*
- Riparian Obligates
- Wild Turkey *Meleagris gallopavo*



## Linkage 10

### Mount Tipton - Mount Perkins

Mohave Desert Ecoregion

**(Linkage 9: continued)**

**Threats:**

Highway (SR 504)  
Urbanization

**Hydrology:**

Black Creek  
Blackhorse Creek  
Blackrock Wash  
Bonita Creek  
Buell Wash  
Coyote Wash  
Horse Mesa Wash  
Pine Wash  
Red Wash  
Sanostee Wash  
Standing Redrock Creek  
Twin Buttes Wash  
Wheatfields Creek  
Whiskey Creek  
White Spring Wash



**County:** Mohave

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Kingman  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

Mohave Desertscrub	100%
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**Land Ownership:**

Bureau of Land Management	12.5%
National Parks Service (Lake Mead)	86.5%
State Trust Land	1%

**Identified Species:**

American Peregrine Falcon *Falco peregrinus anatum*  
Arizona Chuckwalla *Sauromalus ater*  
Banded Gila Monster *Heloderma suspectum cinctum*  
Bighorn Sheep *Ovis canadensis*  
Bobcat *Lynx rufus*  
Desert Rosy Boa *Charina trivirgata gracia*  
Greater Western Mastiff Bat *Eumops perotis californicus*  
Kit Fox *Vulpes macrotis*  
Mohave Desert Tortoise *Gopherus agassizii*  
Mountain Lion *Felis concolor*  
Mule Deer *Odocoileus hemionus*  
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
Razorback Sucker *Xyrauchen texanus*

**(Linkage 10: Identified Species continued)**

Relict Leopard Frog *Rana onca*  
Speckled Rattlesnake *Crotalus mitchellii*

**Threats:**

Highway (US 93)  
Border Security Threat  
Burros

**Hydrology:**

Colorado River



### Linkage 11

#### Grand Canyon – Prescott National Forest

Apache Highlands Ecoregion  
Colorado Plateau Ecoregion

County: Coconino and Yavapai

ADOT Engineering District: Flagstaff and Kingman

ADOT Maintenance: Fredonia, Kingman, Seligman and Williams

ADOT Natural Resources Management Section: Flagstaff and Prescott

AGFD: Region II and Region III

BLM: Colorado River District and Phoenix District

Congressional District: 1 and 2

Council of Government: Northern Arizona Council of Governments and Western Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1, 2, 3 and 4

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	34%
Great Basin Desertscrub	2%
Plains & Great Basin Grassland	64%

**Land Ownership:**

Private Land	67%
State Trust Land	33%
Tribal Land (Havasupai; Hualupai)	< 0.1%
USDA Forest Service (Kaibab; Prescott)	< 0.1%

**Identified Species:**

- American Kestrel *Falco sparverius*
- Bald Eagle *Haliaeetus leucocephalus*
- Barn Owl *Tyto alba*
- Black Footed Ferret *Mustela nigripes*
- Elk *Cervus elaphus*
- Ferruginous Hawk *Buteo regalis*
- Golden Eagle *Aquila chrysaetos*

**(Linkage 11: Identified Species continued)**

- Great Horned Owl *Bubo virginianus*
- Gunnison's Prairie Dog *Cynomys gunnisoni*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Prairie Falcon *Falco mexicanus*
- Pronghorn *Antilocapra americana*
- Rough-legged Hawk *Buteo lagopus*
- Short-eared Owl *Asio flammeus*
- Spotted Bat *Euderma maculatum*
- Swainson's Hawk *Buteo swainsoni*
- Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

- Highway (I-40)
- Railroad
- Urbanization

**Hydrology:**

- Ash Fork Draw
- Big Chino Wash
- Black Tank Wash
- Chino Wash
- Eightmile Creek
- Havasu Creek
- Johnson Creek
- Little Canyon Creek
- Markham Wash
- Meath Wash
- Monument Wash
- Partridge Creek
- Pineveta Creek
- Sandstone Wash
- Truxton Wash
- Turkey Canyon

### Linkage 12

#### Coconino Plateau – Kaibab National Forest

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion  
Colorado Plateau Ecoregion

County: Coconino

ADOT Engineering District: Flagstaff

ADOT Maintenance: Williams

ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II and Region III

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 1

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	59%
Petran Montane Conifer Forest	3%
Plains & Great Basin Grassland	38%

**Land Ownership:**

National Parks Service (Grand Canyon)	0.5%
Private Land	61.5%
State Trust Land	35%
USDA Forest Service (Kaibab)	3%

**Identified Species:**

- Elk *Cervus elaphus*
- Mule Deer *Odocoileus hemionus*
- Mountain Lion *Felis concolor*
- Northern Goshawk *Accipiter gentilis*
- Pronghorn *Antilocapra americana*



## Linkage 13 South Rim Grand Canyon Colorado Plateau Ecoregion

**(Linkage 12: continued)**

**Threats:**

- Highway (SR 64)
- Railroad
- Urbanization

**Hydrology:**

- Cataract Creek
- Coconino Creek
- Little Red Horse Wash
- Martin Dam Draw
- Miller Wash
- Monument Wash
- Pine Creek Wash
- Rain Tank Wash
- Red Horse Wash
- Red Lake Wash
- Spring Valley Wash



**County:** Coconino

**ADOT Engineering District:** Flagstaff

**ADOT Maintenance:** Gray Mountain

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I and Region II

**BLM:** Phoenix District

**Congressional District:** 1 and 2

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	97%
Great Basin Desertscrub	3%

**Land Ownership:**

Private Land	2%
Tribal Land (Navajo)	52%
USDA Forest Service (Kaibab)	46%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Bighorn Sheep *Ovis canadensis*
- Elk *Cervus elaphus*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*

**Threats:**

- Highway (SR 64)
- Urbanization

**(Linkage 13: continued)**

**Hydrology:**

- Deer Tank Wash
- Lee Canyon
- Little Colorado River





## Linkage 14 Valle - Bellemont

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

**County:** Coconino

**ADOT Engineering District:** Flagstaff

**ADOT Maintenance:** Flagstaff and Williams

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	31%
Petran Montane Conifer Forest	61%
Plains & Great Basin Grassland	8%

**Land Ownership:**

Private Land	18%
State Trust Land	5%
USDA Forest Service (Coconino; Kaibab)	77%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Myotis *Myotis occultus*
- Black Bear *Ursus americanus*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Long-eared Myotis *Myotis evotis*
- Long-legged Myotis *Myotis volans*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*

**(Linkage 14: Identified Species continued)**

- Mule Deer *Odocoileus hemionus*
- Navajo Mexican Vole *Microtus mexicanus navaho*
- Northern Goshawk *Accipiter gentilis*
- Northern Leopard Frog *Rana pipiens*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pronghorn *Antilocapra americana*

**Threats:**

- Highway (US 180)
- Urbanization

**Hydrology:**

- Rio de Flag
- Schultz Creek



## Linkage 15

### Garland – Arizona Divide

Arizona/New Mexico Mountains Ecoregion

**County:** Coconino

**ADOT Engineering District:** Flagstaff

**ADOT Maintenance:** Flagstaff, Little Antelope and Williams

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	8%
Petran Montane Conifer Forest	84%
Plains & Great Basin Grassland	8%

**Land Ownership:**

Military Land (Navajo Army Depot)	8%
Private Land	26%
State Trust Land	20%
USDA Forest Service (Coconino; Kaibab)	46%

**Identified Species:**

- Arizona Myotis *Myotis occultus*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Little Colorado Spinedace *Lepidomeda vittata*
- Long-eared Myotis *Myotis evotis*
- Long-legged Myotis *Myotis volans*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*



## Linkage 16 Flagstaff

Arizona/New Mexico Mountains Ecoregion

**(Linkage 15: Identified Species continued)**

Osprey *Pandion haliaetus*  
Pronghorn *Antilocapra americana*  
Riparian Obligates

**Threats:**

Agriculture  
Highway (I 40)  
Railroad  
Urbanization

**Hydrology:**

Dogtown Wash  
Sinclair Wash  
Sycamore Creek  
Volunteer Wash



**County:** Coconino

**ADOT Engineering District:** Flagstaff  
**ADOT Maintenance:** Flagstaff and Little Antelope  
**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**  
Petran Montane Conifer Forest 100%

**Land Ownership:**

Game and Fish Land	1%
Private Land	85%
State Trust Land	13%
USDA Forest Service (Coconino)	2%

**Identified Species:**

Allen's Big-eared Bat *Idionycteris phyllotis*  
Arizona Myotis *Myotis occultus*  
Black Bear *Ursus americanus*  
Elk *Cervus elaphus*  
Fringed Myotis *Myotis thysanodes*  
Gray Fox *Urocyon cinereoargenteus*  
Mexican Spotted Owl *Strix occidentalis lucida*  
Northern Goshawk *Accipiter gentilis*  
Riparian Obligates

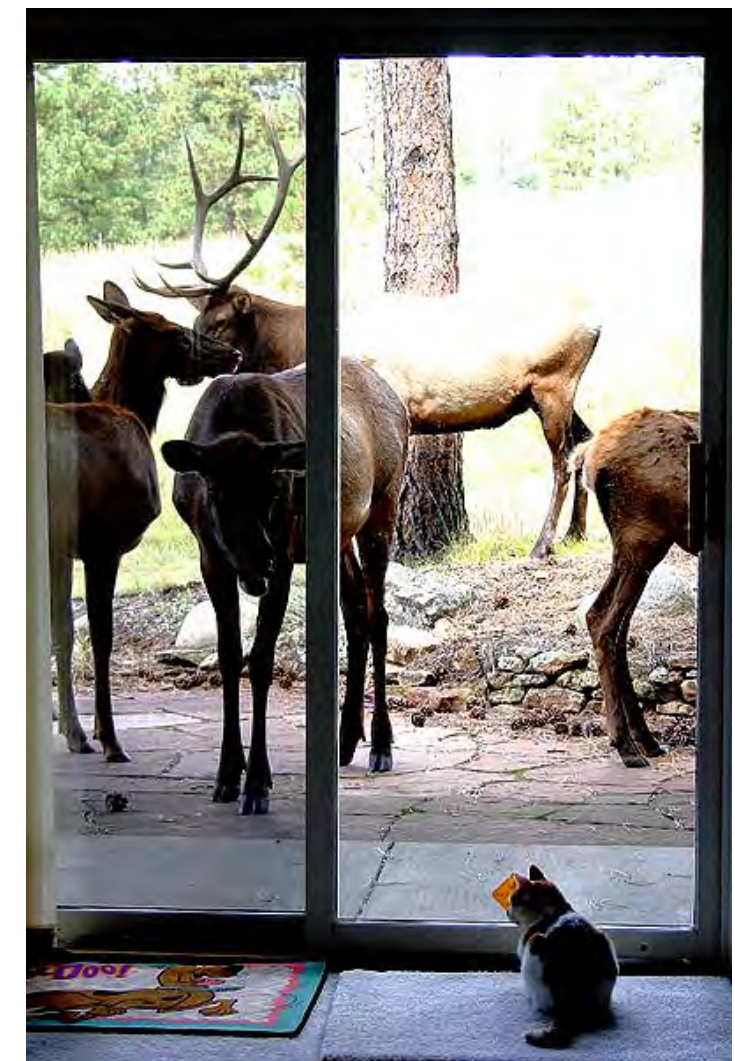
**(Linkage 16: continued)**

**Threats:**

Highway (I 40)  
Railroad  
Urbanization

**Hydrology:**

Rio de Flag  
Sinclair Wash



## Linkage 17 Deadman Mesa – Gray Mountain

Arizona/New Mexico Mountains Ecoregion  
Colorado Plateau Ecoregion

**County:** Coconino

**ADOT Engineering District:** Flagstaff

**ADOT Maintenance:** Flagstaff and Gray Mountain

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I and Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	16%
Great Basin Desertscrub	9%
Petran Montane Conifer Forest	41%
Plains & Great Basin Grassland	34%

**Land Ownership:**

National Parks Service (Wupatki)	3%
Private Land	41%
State Trust Land	15%
Tribal Land (Navajo)	9%
USDA Forest Service (Coconino)	32%

**Identified Species:**

- Black Bear *Ursus americanus*
- Elk *Cervus elaphus*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*
- Pronghorn *Antilocapra americana*
- Riparian Obligates

**(Linkage 17: Identified Species continued)**

- Wild Turkey *Meleagris gallopavo*
- Wupatki Arizona Pocket Mouse *Perognathus amplus cineris*

**Threats:**

- Agriculture
- Highway (SR 89)
- Urbanization

**Hydrology:**

- Deadman Wash
- Hulls Wash
- Rio de Flag



## Linkage 18 Black Mountains – Cerbat Mountains

Mohave Desert Ecoregion

**County:** Mohave

**ADOT Engineering District:** Kingman

**ADOT Maintenance:** Kingman

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

Mohave Desertscrub	58%
Semidesert Grassland	42%

**Land Ownership:**

Bureau of Land Management	37%
Private Land	46%
State Trust Land	17%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bobcat *Lynx rufus*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Kit Fox *Vulpes macrotis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Speckled Rattlesnake *Crotalus mitchellii*



## Linkage 19

### Mount Perkins – Warm Springs

Mohave Desert Ecoregion

**(Linkage 18: Identified Species continued)**

Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

Highway (SR 93)  
 Urbanization

**Hydrology:**

Big Wash  
 Sacramento Wash  
 Tennessee Wash

Photo by George Jameson



**County:** Mohave

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Kingman  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	5%
Mohave Desertscrub	95%

**Land Ownership:**

Bureau of Land Management	82%
Private Land	11%
State Trust Land	7%

**Identified Species:**

Allen's Big-eared Bat *Idionycteris phyllotis*  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Kit Fox *Vulpes macrotis*  
 Mountain Lion *Felis concolor*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mule Deer *Odocoileus hemionus*

**(Linkage 19: Identified Species continued)**

Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

Burros  
 Highway (SR 68)  
 Urbanization

**Hydrology:**

None Identified



Photo by Mark Freitag



### Linkage 20

#### Hualapai Mountains – Cerbat Mountains

Apache Highlands Ecoregion  
Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Kingman

ADOT Maintenance: Kingman

ADOT Natural Resources Management Section: Prescott

AGFD: Region III

BLM: Colorado River District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**

Mohave Desertscrub	24%
Semidesert Grassland	76%

**Land Ownership:**

Bureau of Land Management	4%
Game and Fish Land	< 1%
Private Land	86%
State Trust Land	11%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bobcat *Lynx rufus*
- Desert Rosy Boa *Charina trivirgata gracia*
- Golden Eagle *Aquila chrysaetos*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Kit Fox *Vulpes macrotis*
- Mohave Desert Tortoise *Gopherus agassizii*
- Mountain Lion *Felis concolor*

**(Linkage 5: Identified Species continued)**

- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Speckled Rattlesnake *Crotalus mitchellii*
- Swainson's Hawk *Buteo swainsoni*
- Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

- Highway (I 40)
- Railroad
- Urbanization

**Hydrology:**

None Identified



Photo by Ron Horloff

### Linkage 21

#### I-40 and US 93 – Kingman

Apache Highlands Ecoregion  
Sonoran Desert Ecoregion

County: Mohave

ADOT Engineering District: Kingman

ADOT Maintenance: Kingman, Seligman and Wikieup

ADOT Natural Resources Management Section: Prescott

AGFD: Region III

BLM: Colorado River District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	10%
Great Basin Conifer Woodland	41%
Interior Chaparral	15%
Semidesert Grassland	34%

**Land Ownership:**

Bureau of Land Management	4%
Private Land	54%
State Trust Land	42%
Tribal Land (Hualapai; Allotments)	<1%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Chuckwalla *Sauromalus ater*
- Arizona Toad *Bufo microscaphus*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Desert Rosy Boa *Charina trivirgata gracia*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*



**Linkage 22**  
**Big Black Mesa – Hell Canyon**  
 Apache Highlands Ecoregion

**(Linkage 21: Identified Species continued)**

- Fringed Myotis *Myotis thysanodes*
- Gambel's Quail *Callipepla gambelii*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Longfin Dace *Agosia chrysogaster*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mohave Desert Tortoise *Gopherus agassizii*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Pronghorn *Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Swainson's Hawk *Buteo swainsoni*
- Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

- Highway (I 40; US 93)
- Urbanization

**Hydrology:**

- Antelope Wash
- Ash Creek
- Big Sandy River
- Bottleneck Wash
- Cane Springs Wash
- Cottonwood Creek
- East Ash Creek
- Francis Creek
- Frees Wash
- Gonzales Wash
- Hackberry Wash
- Kabba Wash
- Knight Creek
- Lookout Wash
- McGarrys Wash
- McGee Wash

**(Linkage 21: Hydrology continued)**

- Moss Wash
- Peacock Wash
- Pearson Falls Wash
- Pilgrim Wash
- Trout Creek
- Truxton Wash
- Tuckayou Wash
- Wheeler Wash
- Willow Creek
- Wright Canyon



County: Yavapai

**ADOT Engineering District:** Kingman and Prescott  
**ADOT Maintenance:** Prescott and Seligman  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region II and Region III

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	93%
Plains & Great Basin Grassland	7%

**Land Ownership:**

Private Land	<1%
State Trust Land	<1%
USDA Forest Service Land (Kaibab; Prescott)	100%

**Identified Species:**

- Black Bear *Ursus americanus*
- Bobcat *Lynx rufus*
- Elk *Cervus elaphus*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pronghorn *Antilocapra americana*

**Threats:**

- Highway (SR 89)
- Railroad
- Urbanization



## Linkage 23

### Oak Creek Canyon – Munds Park

Arizona/New Mexico Mountains Ecoregion

(Linkage 22: continued)

**Hydrology:**

- Hell Canyon
- Page Wash
- Wagon Tire Wash



**County:** Mohave and Coconino

**ADOT Engineering District:** Flagstaff

**ADOT Maintenance:** Little Antelope

**ADOT Natural Resources Management Section:** Flagstaff and Prescott

**AGFD:** Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 1 and 2

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	5%
Interior Chaparral	22%
Petran Montane Conifer Forest	73%

**Land Ownership:**

Private Land	12%
State Trust Land	3%
USDA Forest Service (Coconino)	85%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Myotis *Myotis occultus*
- Elk *Cervus elaphus*
- Black Bear *Ursus americanus*
- Gray Fox *Urocyon cinereoargenteus*
- Fringed Myotis *Myotis thysanodes*
- Long-eared Myotis *Myotis evotis*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mexican Spotted Owl *Strix occidentalis lucida*

(Linkage 23: Identified Species continued)

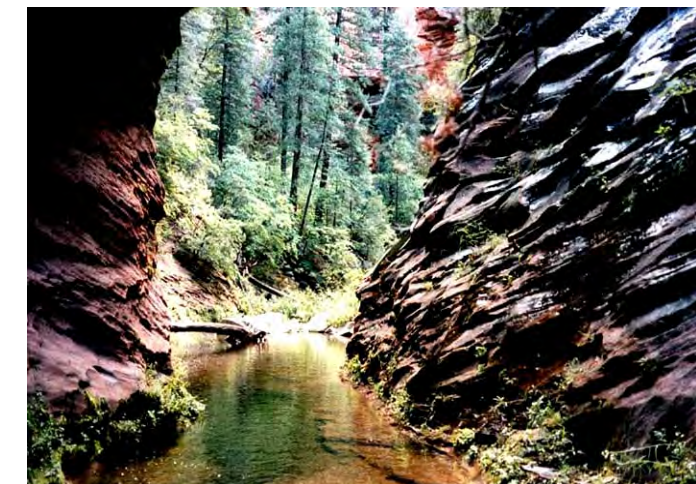
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Northern Goshawk *Accipiter gentilis*
- Northern Leopard Frog *Rana pipiens*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pine Grosbeak *Pinicola enucleator*
- Pronghorn *Antilocapra americana*
- Speckled Dace *Rhinichthys osculus*
- Western Small-footed Myotis *Myotis ciliolabrum*
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Agriculture
- Highway (I 17)
- Urbanization

**Hydrology:**

- Oak Creek
- Pumphouse Wash
- Schoolhouse Draw
- Sinclair Wash
- West Fork Oak Creek
- Woody Wash



## Linkage 24 Cottonwood - Sedona

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

County: Yavapai

ADOT Engineering District: Flagstaff and Prescott

ADOT Maintenance: Cordes Junction and Little Antelope

ADOT Natural Resources Management Section: Flagstaff and Prescott

AGFD: Region II and Region III

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1

### Biotic Communities (Vegetation Types):

Great Basin Conifer Woodland	43%
Interior Chaparral	1%
Semidesert Grassland	56%

### Land Ownership:

Game and Fish Land	<1%
Private Land	37%
State Trust Land	23.5%
USDA Forest Service (Coconino)	39.5%

### Identified Species:

- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Gila Chub *Gila intermedia*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Longfin Dace *Agosia chrysogaster*
- Mountain Lion *Felis concolor*

### (Linkage 24: Identified Species continued)

- Mule Deer *Odocoileus hemionus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn *Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Speckled Dace *Rhinichthys osculus*
- Riparian Obligates
- Western Red Bat *Lasiurus blossevillii*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

### Threats:

- Highway (SR 89A)
- Urbanization

### Hydrology:

- Coffee Creek
- Dry Creek
- Oak Creek
- Soldier Wash
- Spring Creek



## Linkage 25 State Route 179

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

County: Coconino and Yavapai

ADOT Engineering District: Flagstaff and Prescott

ADOT Maintenance: Cordes Junction and Little Antelope

ADOT Natural Resources Management Section: Prescott

AGFD: Region II

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1

### Biotic Communities (Vegetation Types):

AZ Upland Sonoran Desertscrub	9%
Great Basin Conifer Woodland	91%

### Land Ownership:

Private Land	22%
USDA Forest Service (Coconino)	78%

### Identified Species:

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Common Black-hawk *Buteogallus anthracinus*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn *Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Speckled Dace *Rhinichthys osculus*





## Linkage 26 Northern I-17 Corridor

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

**(Linkage 25: Identified Species continued)**

Terrestrial and Riparian Obligates  
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

Highway (SR 179)  
Urbanization

**Hydrology:**

Dry Beaver Creek  
Jacks Canyon  
Oak Creek



**County:** Coconino and Yavapai

**ADOT Engineering District:** Flagstaff and Prescott  
**ADOT Maintenance:** Cordes Junction and Little Antelope  
**ADOT Natural Resources Management Section:** Flagstaff and Prescott

**AGFD:** Region II and Region III

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A2 and A4

**Legislative District:** 1

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	31%
Great Basin Conifer Woodland	51%
Petran Montane Conifer Forest	14%
Semidesert Grassland	4%

**Land Ownership:**

National Parks Service (Montezuma Castle)	1%
Private Land	21%
Tribal Land (Yavapai Apache)	<1%
USDA Forest Service (Coconino)	78%

**Identified Species:**

Allen's Big-eared Bat *Idionycteris phyllotis*  
Arizona Myotis *Myotis occultus*  
Black Bear *Ursus americanus*  
Cave Myotis *Myotis velifer*  
Chiracahua Leopard Frog *Rana chiricahuensis*  
Desert Sucker *Catostomus clarki*  
Elk *Cervus elaphus*

**(Linkage 26: Identified Species continued)**

Gray Fox *Urocyon cinereoargenteus*  
Fringed Myotis *Myotis thysanodes*  
Gila Chub *Gila intermedia*  
Long-eared Myotis *Myotis evotis*  
Longfin Dace *Agosia chrysogaster*  
Mexican Spotted Owl *Strix occidentalis lucida*  
Mountain Lion *Felis concolor*  
Mule Deer *Odocoileus hemionus*  
Northern Goshawk *Accipiter gentilis*  
Northern Leopard Frog *Rana pipiens*  
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
Pronghorn *Antilocapra americana*  
Roundtail Chub *Gila robusta*  
Sonora Sucker *Catostomus insignis*  
Southwestern Willow Flycatcher *Empidonax traillii extimus*  
Speckled Dace *Rhinichthys osculus*  
Spikedace *Meda fulgida*  
Terrestrial and Riparian Obligates  
White-tailed Deer *Odocoileus virginianus*  
Wild Turkey *Meleagris gallopavo*  
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

Agriculture  
Highway (I 17)  
Urbanization

**Hydrology:**

Beaver Creek  
Dry Beaver Creek  
Rarick Canyon  
Rattlesnake Canyon  
Russell Wash  
Verde River  
Wet Beaver Creek



## Linkage 27 Mogollon Rim - Navajo Nation

Arizona/New Mexico Mountains Ecoregion  
Colorado Plateau Ecoregion

**County:** Apache, Coconino and Navajo

**ADOT Engineering District:** Holbrook, Flagstaff and Globe

**ADOT Maintenance:** Chambers, Flagstaff, Holbrook, Keams Canyon, Show Low, Springerville, St. Johns and Winslow

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I and Region II

**BLM:** Phoenix District and Gila District

**Congressional District:** 1

**Council of Government:** Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2 and A4

**Legislative District:** 1, 2 and 5

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	21.5%
Great Basin Desertscrub	10%
Petran Montane Conifer Forest	1%
Plains & Great Basin Grassland	67.5%

**Land Ownership:**

Bureau of Land Management	5%
County Land	<1%
Game and Fish Land	<1%
Private Land	60%
State Trust Land	34%
Tribal Land	
(Navajo; Navajo Reservation Trust; Zuni; Indian Allotments)	0.5%
USDA Forest Service	
(Apache-Sitgreaves; Coconino)	0.5%

**(Linkage 27: continued)**

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Bald Eagle *Haliaeetus leucocephalus*
- Bobcat *Lynx rufus*
- Elk *Cervus elaphus*
- Gray Catbird *Dumetella carolinensis*
- Gray Fox *Urocyon cinereoargenteus*
- Gunnison's Prairie Dog *Cynomys gunnisoni*
- Little Colorado Spinedace *Lepidomeda vittata*
- Little Colorado Sucker *Catostomus sp.3*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Plover *Charadrius montanus*
- Mule Deer *Odocoileus hemionus*
- Navajo Mexican Vole *Microtus mexicanus navaho*
- Northern Goshawk *Accipiter gentilis*
- Pronghorn *Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Speckled Dace *Rhinichthys osculus*
- Springerville Pocket Mouse *Perognathus flavus goodpasteri*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Agriculture
- Highway (I 40; SR 61; SR 77; SR 87; SR 99; SR 260; SR 277; SR 377; US 180; US 191)
- Railroad
- Urbanization
- Wind Power Generation Proposals

**Hydrology:**

- Alamo Wash
- Amity Ditch
- Anderson Canyon
- Babbitt Wash
- Beaver Dam Wash
- Big Ditch
- Big Hollow Wash

**(Linkage 27: Hydrology continued)**

- Billy Wash
- Black Canyon
- Blairs Spring Wash
- Brookbank Canyon
- Brown Creek
- Canyon Diablo
- Carnero Creek
- Carr L. Wash
- Carrizo Wash
- Cedar Lake Wash
- Cheney Draw
- Chevelon Canyon
- Chimney Wash
- Clear Creek
- Concho Flat Wash
- Cottonwood Wash
- Coyote Creek
- Crazy Creek
- Dead Wash
- Digger Wash
- Dodson Wash
- Dry Wash
- East Fork Dry Wash
- East Twin Wash
- East Washboard Wash
- Fern Feather Wash
- Fivemile Wash
- Grapevine Canyon
- Grapevine Creek
- Greer Wash
- Hardscrabble Wash
- Hay Hollow Draw
- Humpy Wash
- Jacks Canyon
- Jaralosa Draw
- Jarvis Wash
- Jim Camp Wash
- Joseph City Wash
- Leroux Wash
- Lithodendron Wash
- Little Colorado River



## Linkage 28 North – South Petrified Forest

Colorado Plateau Ecoregion

**(Linkage 27: Hydrology continued)**

- Little Milky Wash
- Lower Lyman Ditch
- Lyman Ditch
- Manila Wash
- Mcdonalds Canyon
- Mesa Wash
- Mexican Hollow Wash
- Middle Lyman Ditch
- Milky Wash
- Mineral Creek
- Mineral Ditch
- Ninemile Wash
- Nutriosio Creek
- Oso Draw
- Padre Canyon
- Phoenix Park Wash
- Picnic Creek
- Pierce Wash
- Pine Springs Wash
- Porter Tank Draw
- Pueblo Colorado Wash
- Puerco River
- Pulcifer Creek
- Rock Creek
- Rocky Arroyo
- San Francisco Wash
- Sand Draw
- Scott Wash
- Sears Wash
- Sepulveda Creek
- Seven Springs Wash
- Sevenmile Draw
- Show Low Creek
- Silver Creek
- South Fork Little Colorado River
- Squaw Wash
- Surprise Creek
- Tanner Wash
- Teds Wash
- The Canal
- Tucker Flat Wash
- Upper Lyman Ditch

**(Linkage 27: Hydrology continued)**

- Vigil Run
- Wallace Canyon
- Walnut Creek
- Washboard Wash
- Water Canyon Creek
- West Twin Wash
- Wild Cow Wash
- Wildcat Creek
- Wildhorse wash
- Yaeger Canyon
- Yellow Jacket Canyon
- Youngs Canyon
- Zuni River



**County:** Apache

**ADOT Engineering District:** Holbrook

**ADOT Maintenance:** Chambers and Holbrook

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 2 and 5

**Biotic Communities (Vegetation Types):**

Plains & Great Basin Grassland 100%

**Land Ownership:**

Bureau of Land Management	3%
National Parks Service (Petrified Forest)	65%
Private Land	31%
State Trust Land	0.5%
Tribal Land (Navajo)	0.5%

**Identified Species:**

Gunnison's Prairie Dog *Cynomys gunnisoni*  
Pronghorn *Antilocapra americana*

**Threats:**

Highway (I 40)  
Railroad  
Urbanization

**Hydrology:**

Dead Wash



**Linkage 29**  
**Warm Springs – Hualapai Mountains**  
 Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Kingman  
 ADOT Maintenance: Needle Mountain  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region III

BLM: Colorado River District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Mohave Deserts scrub 100%

**Land Ownership:**  
 Bureau of Land Management 43%  
 Private Land 57%  
 State Trust Land <1%

**Identified Species:**  
 Allen's Big-eared Bat *Idionycteris phyllotis*  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bobcat *Lynx rufus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Kit Fox *Vulpes macrotis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-Eared Bat *Corynorhinus townsendii pallescens*

**(Linkage 29: Identified Species continued)**

Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**  
 Highway (I 40)  
 Industry  
 Urbanization

**Hydrology:**  
 Sacramento Wash  
 Walnut Creek



**Linkage 30**  
**Warm Springs – Aubrey Peak**  
 Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Kingman  
 ADOT Maintenance: Needle Mountain  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region III

BLM: Colorado River District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Mohave Deserts scrub 100%

**Land Ownership:**  
 Bureau of Land Management 42%  
 Private Land 58%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Kingman Springsnail *Pyrgulopsis conica*  
 Kit Fox *Vulpes macrotis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-Eared Bat *Corynorhinus townsendii pallescens*  
 Speckled Rattlesnake *Crotalus mitchellii*



## Linkage 31 The Needles – Mohave Mountains

Arizona/New Mexico Mountains Ecoregion  
Mohave Desert Ecoregion

**(Linkage 30: Identified Species continued)**

Swainson's Hawk *Buteo swainsoni*  
Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**

Burros  
Highway (I 40)  
Railroad  
Urbanization

**Hydrology:**

Buck Mountain Wash  
Franconia Wash  
Sacramento Wash



Photo by Peter LaTourrette

**County:** Mohave

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Needle Mountain  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III and IV

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	39%
Private Land	15%
State Trust Land	45%
Wildlife Refuge (Havasu)	1%

**Identified Species:**

American Peregrine Falcon *Falco peregrinus anatum*  
Arizona Chuckwalla *Sauromalus ater*  
Banded Gila Monster *Heloderma suspectum cinctum*  
Big Free-tailed Bat *Nyctinomops macrotus*  
Bighorn Sheep *Ovis canadensis*  
Bobcat *Lynx rufus*  
California Leaf-Nosed Bat *Macrotus californicus*  
Cave Myotis *Myotis velifer*  
Desert Rosy Boa *Charina trivirgata gracia*  
Flannelmouth Sucker *Catostomus latipinnis*  
Fringed Myotis *Myotis thysanodes*  
Greater Western Mastiff Bat *Eumops perotis californicus*

**(Linkage 31: Identified Species continued)**

Kit Fox *Vulpes macrotis*  
Long-legged Myotis *Myotis volans*  
Mohave Desert Tortoise *Gopherus agassizii*  
Mountain Lion *Felis concolor*  
Mule Deer *Odocoileus hemionus*  
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
Sonoran Desert Tortoise *Gopherus agassizii*  
Speckled Rattlesnake *Crotalus mitchellii*  
Swainson's Hawk *Buteo swainsoni*  
Western Burrowing Owl *Athene cunicularia hypugaea*  
Yuma Clapper Rail *Rallus longirostris yumanensis*  
Yuma Myotis *Myotis yumanensis*

**Threats:**

Highway (SR 95)  
Urbanization

**Hydrology:**

Falls Springs Wash  
Neptune Wash

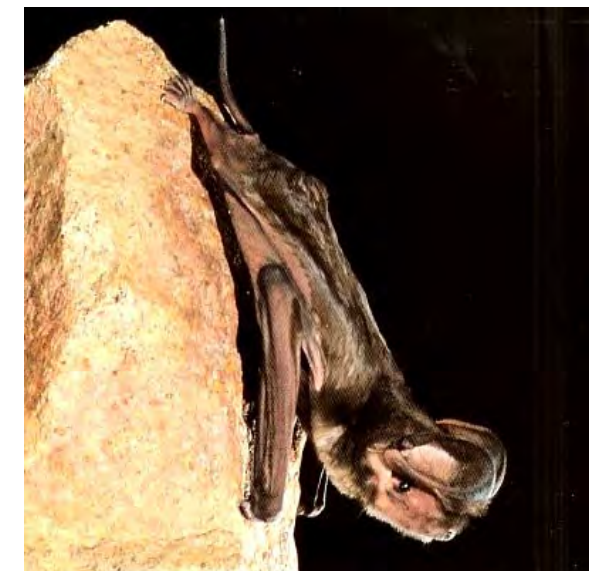


Photo by Dr. J. Scott Altenbach



**Linkage 32**  
**Bill Williams – Aubrey Hills**  
 Sonoran Desert Ecoregion

**County:** Mohave

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Needle Mountain  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III and Region IV

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 91%  
 Private Land 1%  
 State Trust Land 8%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 California Leaf-Nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Fringed Myotis *Myotis thysanodes*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Kit Fox *Vulpes macrotis*  
 Long-legged Myotis *Myotis volans*  
 Mohave Desert Tortoise *Gopherus agassizii*

**(Linkage 32: Identified Species continued)**

Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**  
 Highway (SR 95)  
 Urbanization  
 River Trail System

**Hydrology:**  
 Standard Wash



Photo by Ron Horloff

**Linkage 33**  
**Hualapai Mountains - Bagdad**  
 Apache Highlands Ecoregion  
 Mohave Desert Ecoregion  
 Sonoran Desert Ecoregion

**County:** Mohave and Yavapai

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Wikieup  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III

**BLM:** Colorado River District

**Congressional District:** 1 and 2

**Council of Government:** Northern Arizona Council of Governments and Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3 and 4

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 95.5%  
 Great Basin Conifer Woodland 4%  
 Semidesert Grassland 0.5%

**Land Ownership:**  
 Bureau of Land Management 63%  
 Private Land 37%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Arizona Toad *Bufo microscaphus*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bobcat *Lynx rufus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Common Black-hawk *Buteogallus anthracinus*  
 Desert Rosy Boa *Charina trivirgata gracia*



## Linkage 34 Tres Alamos Wilderness – Prescott National Forest

Apache Highlands Ecoregion  
Sonoran Desert Ecoregion

**(Linkage 33: Identified Species continued)**

Desert Sucker *Catostomus clarki*  
 Gambel's Quail *Callipepla gambelii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Longfin Dace *Agosia chrysogaster*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Ringtail *Bassariscus astutus*  
 Riparian Obligates  
 Roundtail Chub *Gila robusta*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Speckled Dace *Rhinichthys osculus*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Zone-tailed Hawk *Buteo albonotatus*

**Threats:**

Highway (US 93)  
 Urbanization

**Hydrology:**

Big Sandy River  
 Bitter Creek  
 Black Canyon  
 Box Canyon Wash  
 Bronco Creek  
 Burro Creek  
 Gray Wash  
 Kaiser Spring Canyon  
 Natural Corrals Wash  
 Placeritas Creek

**County:** Yavapai

**ADOT Engineering District:** Prescott and Kingman

**ADOT Maintenance:** Prescott, Wickenburg and Wikieup

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III, Region IV and Region VI

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1 and 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	25%
Interior Chaparral	53%
Mohave Desertscrub	7%
Semidesert Grassland	15%

**Land Ownership:**

Bureau of Land Management	4%
Private Land	23%
State Trust Land	73%

**Identified Species:**

American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Arizona Myotis *Myotis occultus*  
 Arizona Night Lizard *Xantusia arizonae*  
 Arizona Toad *Bufo microscaphus*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*

**(Linkage 34: Identified Species continued)**

Bobcat *Lynx rufus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Common Black-hawk *Buteogallus anthracinus*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Fringed Myotis *Myotis thysanodes*  
 Gambel's Quail *Callipepla gambelii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Longfin Dace *Agosia chrysogaster*  
 Long-legged Myotis *Myotis volans*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Ringtail *Bassariscus astutus*  
 Riparian Obligates  
 Roundtail Chub *Gila robusta*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonora Sucker *Catostomus insignis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Small-footed Bat *Myotis ciliolabrum*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*  
 Zone-tailed Hawk *Buteo albonotatus*

**Threats:**

Highway (SR 97; SR 96; US 93)  
 Railroad  
 Urbanization



**Linkage 35**  
**East – West Prescott National Forest**  
 Apache Highlands Ecoregion

**(Linkage 34: continued)**

**Hydrology:**

- Alkali Wash
- Ally Wash
- Antelope Creek
- Arrastre Creek
- Ash Creek
- Big Shipp Wash
- Black Canyon Wash
- Blackwater Creek
- Bland Creek
- Blind Indian Creek
- Bridle Creek
- Copper Basin Wash
- Cottonwood Canyon
- Cottonwood Creek
- Date Creek
- East Antelope Creek
- Eastwood Creek
- Finch Wash
- Hassayampa River
- Iron Spring Wash
- Kirkland Creek
- Lawler Creek
- Little Shipp Wash
- Little Sycamore Creek
- Loco Creek
- Logan Wash
- Martinez Wash
- Mescal Creek
- Milk Creek
- Miller Creek
- Minnehaha Creek
- Model Creek
- Moonville Creek
- North Fork Date Creek
- Placeritas Creek
- Poplar Wash
- Quail Spring Wash
- Ritter Creek
- Santa Maria River
- Sheppard Wash
- Skull Valley Wash

**(Linkage 34: Hydrology continued)**

- Smith Canyon
- South Fork Date Creek
- South Fork Santa Maria River
- Sycamore Creek
- Tank Creek
- Tonto Wash
- Valley Wash
- Waterman Creek
- Weaver Creek
- Woosley Wash
- Yarnell Creek



Photo by Bob Miller

**County:** Yavapai

**ADOT Engineering District:** Prescott

**ADOT Maintenance:** Cordes Junction

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region II and Region III

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Central Yavapai Metropolitan planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1 and 4

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	31%
Interior Chaparral	10%
Petran Montane Conifer Forest	3%
Plains & Great Basin Grassland	49%
Semidesert Grassland	7%

**Land Ownership:**

Bureau of Land Management	3%
Private Land	67%
State Land Trust	30%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- American Redstart *Setophaga ruticilla*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Gambel's Quail *Callipepla gambelii*





**Linkage 36**  
**Yeager Canyon – Camp Verde**  
 Apache Highlands Ecoregion

**(Linkage 35: Identified Species continued)**

- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*
- Pronghorn *Antilocapra americana*
- Razorback Sucker *Xyrauchen texanus*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

- Highway (SR 69; SR 89; SR 89A)
- Urbanization

**Hydrology:**

- Agua Fria River
- Aspen creek
- Bannon Creek
- Big Bug Creek
- Big Chino Wash
- Bottleneck Wash
- Brushy Wash
- Butte Creek
- Butte Wash
- Chaparral Gulch Arroyo
- Clipper Wash
- Cooper Wash
- Coyote Spring
- Coyote Wash
- Dillon Wash
- Granite Creek
- Hackberry creek
- Hitt Wash
- Horse Wash
- Little Chino Wash
- Lynx Creek
- Manzanita Creek
- Martin Canyon

**(Linkage 35: Hydrology continued)**

- Miller Creek
- Mint Wash
- Mud Tank Wash
- Spence Creek
- Strickland Wash
- Verde River
- Williamson Valley Wash
- Willow Creek
- Yarber Wash



County: Yavapai

**ADOT Engineering District:** Prescott and Flagstaff

**ADOT Maintenance:** Cordes Junction, Little Antelope and Prescott

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region II and Region III

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Central Yavapai Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2 and A4

**Legislative District:** 1

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	0.2%
Interior Chaparral	18.7%
Petran Montane Conifer Forest	6.7%
Plains & Great Basin Grassland	3.1%
Semidesert Grassland	71.3%

**Land Ownership:**

Private Land	65%
State Trust Land	6%
Tribal Land (Yavapai)	1%
USDA Forest Service (Coconino, Prescott)	28%

**Identified Species:**

- Arizona Myotis *Myotis occultus*
- Bald Eagle *Haliaeetus leucocephalus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Gambel's Quail *Callipepla gambelii*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*



## Linkage 37 North - South Black Hills Apache Highlands Ecoregion

**(Linkage 36: Identified Species continued)**

Javelina *Tayassu tajacu*  
 Longfin Dace *Agosia chrysogaster*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mule Deer *Odocoileus hemionus*  
 Northern Goshawk *Accipiter gentilis*  
 Northern Mexican Gartersnake *Thamnophis eques megalops*  
 Pronghorn *Antilocapra americana*  
 Ringtail *Bassariscus astutus*  
 Riparian Obligates  
 Roundtail Chub *Gila robusta*  
 Sonora Sucker *Catostomus insignis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

Highway (SR 89A)  
 Railroad  
 Urbanization

**Hydrology:**

Bitter Creek  
 Blowout Creek  
 Cherry Creek  
 Grandpa Wash  
 Grief Hill Wash  
 Martin Canyon  
 Oak Wash  
 Verde River  
 Walnut Creek

**County:** Yavapai

**ADOT Engineering District:** Prescott  
**ADOT Maintenance:** Cordes Junction  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III and Region VI

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1 and 4

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	21%
Semidesert Grassland	79%

**Land Ownership:**

Private Land	12%
State Trust Land	2%
USDA Forest Service (Prescott)	86%

**Identified Species:**

Bobcat *Lynx rufus*  
 Desert Sucker *Catostomus clarki*  
 Elk *Cervus elaphus*  
 Gambel's Quail *Callipepla gambelii*  
 Gila Topminnow *Poeciliopsis occidentalis occidentalis*  
 Javelina *Tayassu tajacu*  
 Longfin Dace *Agosia chrysogaster*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pronghorn *Antilocapra americana*  
 Speckled Dace *Rhinichthys osculus*

**(Linkage 37: Identified Species continued)**

Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

Highway (I 17)  
 Urbanization

**Hydrology:**

Ash Creek  
 Cienega Creek  
 Dry Creek  
 Osborne Spring Wash



**Linkage 38**

**Bradshaw Mountains – Agua Fria National Monument**

Apache Highlands Ecoregion  
Sonoran Desert Ecoregion

County: Yavapai

ADOT Engineering District: Prescott

ADOT Maintenance: Cordes Junction

ADOT Natural Resources Management Section: Prescott

AGFD: Region III and Region VI

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	47%
Semidesert Grassland	53%

**Land Ownership:**

Bureau of Land Management	100%
---------------------------	------

**Identified Species:**

- Arizona Toad *Bufo microscaphus*
- Bobcat *Lynx rufus*
- Desert Sucker *Catostomus clarki*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn *Antilocapra americana*

**(Linkage 38: continued)**

**Threats:**

- Highway (I 17)
- Urbanization

**Hydrology:**

- Badger Spring Wash
- Bumble Bee Creek



**Linkage 39**

**SR 260 West from I-17 to SR 87**

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

County: Coconino, Gila and Yavapai

ADOT Engineering District: Prescott

ADOT Maintenance: Cordes Junction and Payson

ADOT Natural Resources Management Section: Prescott

AGFD: Region II, Region III and Region VI

BLM: Gila District and Phoenix District

Congressional District: 1

Council of Government: Central Arizona Council of Governments and Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 1 and 5

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	5.5%
Great Basin Conifer Woodland	25.6%
Interior Chaparral	25%
Petran Montane Conifer Forest	23.7%
Semidesert Grassland	20.2%

**Land Ownership:**

Private Land	20%
State Trust Land	<1%
USDA Forest Service (Coconino, Prescott, Tonto)	80%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Black Bear *Ursus americanus*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*



## Linkage 40

### East – West Mogollon Plateau

Arizona/New Mexico Mountains Ecoregion

**(Linkage 39: Identified Species continued)**

- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Northern Goshawk *Accipiter gentilis*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn *Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Speckled Dace *Rhinichthys osculus*
- Spikedace *Meda fulgida*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

- Highway (SR 260; SR 87)
- Urbanization

**Hydrology:**

- Beaver Creek
- Cherry Creek
- Corduoy Wash
- Fossil Creek
- Gaddis Wash
- Horse Tank Wash
- Pine Creek
- Strawberry Creek
- Sycamore Creek
- Verde River
- West Clear Creek
- Wickiup Creek

**County:** Coconino

**ADOT Engineering District:** Holbrook and Prescott

**ADOT Maintenance:** Payson and Winslow

**ADOT Natural Resources Management Section:** Flagstaff and Prescott

**AGFD:** Region II

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	14%
Petran Montane Conifer Forest	85%
Plains & Great Basin Grassland	1%

**Land Ownership:**

Private Land	92%
USDA Forest Service (Coconino)	8%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Black Bear *Ursus americanus*
- Elk *Cervus elaphus*
- Little Colorado Spinedace *Lepidomeda vittata*
- Little Colorado Sucker *Catostomus sp. 3*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*
- Northern Leopard Frog *Rana pipiens*
- Pronghorn *Antilocapra americana*
- Speckled Dace *Rhinichthys osculus*

**(Linkage 40: Identified Species continued)**

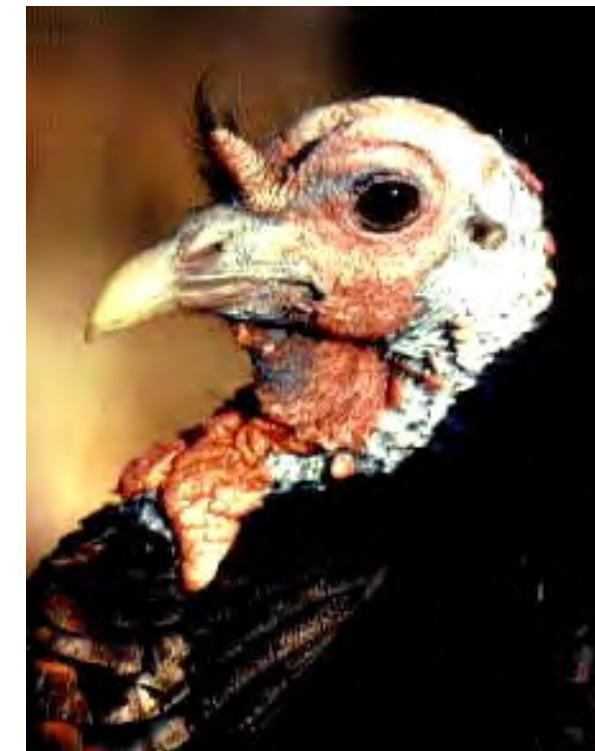
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Highway (SR 87)
- Recreation
- Urbanization

**Hydrology:**

- Clear Creek
- Clover Creek
- Jacks Canyon
- Pine Valley Road



## Linkage 41 SR 260 Payson – Heber

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

**County:** Coconino, Gila and Navajo

**ADOT Engineering District:** Prescott

**ADOT Maintenance:** Payson

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region I and Region VI

**BLM:** Gila District and Phoenix District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments and Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1 and 5

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	5%
Interior Chaparral	19%
Petran Montane Conifer Forest	76%

**Land Ownership:**

Private Land	8%
USDA Forest Service (Apache-Sitgreaves; Tonto)	92%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Myotis *Myotis occultus*
- Arizona Toad *Bufo microscaphus*
- Bighorn Sheep *Ovis canadensis*
- Black Bear *Ursus americanus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*

**(Linkage 41: Identified Species continued)**

- Javelina *Tayassu tajacu*
- Long-eared Myotis *Myotis evotis*
- Longfin Dace *Agosia chrysogaster*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Northern Goshawk *Accipiter gentilis*
- Northern Leopard Frog *Rana yavapaiensis*
- Speckled Dace *Rhinichthys osculus*
- Tassel-eared Squirrel *Sciurus aberti*
- White-tailed Deer *Odocoileus virginianus*
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Highway (SR 260)
- Urbanization

**Hydrology:**

- Brookbank Canyon
- Canyon Creek
- Chevelon Canyon
- Christopher Creek
- East Fork Canyon Creek
- Green Valley Creek
- Horton Creek
- Houston Creek
- Hunter Creek
- Mule Creek
- Sharp Creek
- Spring creek
- Stewart Creek
- Tonto Creek
- Wildcat Canyon

## Linkage 42 Aripine – Cibecue

Arizona/New Mexico Mountains Ecoregion

**County:** Navajo

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Show Low

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	66%
Petran Montane Conifer Forest	34%

**Land Ownership:**

Private Land	15%
USDA Forest Service (Apache-Sitgreaves)	85%

**Identified Species:**

- Black Bear *Ursus americanus*
- Bobcat *Lynx rufus*
- Elk *Cervus elaphus*
- Javelina *Tayassu tajacu*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*
- Tassel-eared Squirrel *Sciurus aberti*
- White-tailed Deer *Odocoileus virginianus*
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Grazing



## Linkage 43 Parker Valley – Cactus Plain Sonoran Desert Ecoregion

**(Linkage 42: Threats continued)**

Highway (SR 260)  
Urbanization

**Hydrology:**

Cottonwood Wash  
Day Wash  
Decker Wash  
Pearce Wash  
Phoenix Park Wash  
Stinson Wash  
Willow Wash

**County:** La Paz

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3

**Legislative District:** 3 and 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	18%
Private Land	3%
State Trust Land	15%
Tribal Land (Colorado River Indian)	64%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
Banded Gila Monster *Heloderma suspectum cinctum*  
Bald Eagle *Haliaeetus leucocephalus*  
Big Free-tailed Bat *Nyctinomops macrotis*  
Bighorn Sheep *Ovis canadensis*  
California Leaf-nosed Bat *Macrotus californicus*  
Cave Myotis *Myotis velifer*  
Greater Western Mastiff Bat *Eumops perotis californicus*  
Long-legged Myotis *Myotis volans*  
Mojave Fringe-toed Lizard *Uma scoparia*  
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

**(Linkage 43: Identified Species continued)**

Sonoran Desert Tortoise *Gopherus agassizii*  
Southwest Willow Flycatcher *Empidonax traillii extimus*  
Yuma Myotis *Myotis yumanensis*  
Native Fishes

**Threats:**

Burros  
Highway (SR 95)  
Railroad  
Urbanization

**Hydrology:**

Bouse Wash



**Linkage 44**  
**Cactus Plain – Plomosa Mountains**  
 Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma  
 ADOT Maintenance: Quartzsite  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 100%

- Identified Species:**
- Arizona Chuckwalla *Sauromalus ater*
  - Bald Eagle *Haliaeetus leucocephalus*
  - Banded Gila Monster *Heloderma suspectum cinctum*
  - Big Free-tailed Bat *Nyctinomops macrotis*
  - Bighorn Sheep *Ovis canadensis*
  - California Leaf-nosed Bat *Macrotus californicus*
  - Cave Myotis *Myotis velifer*
  - Greater Western Mastiff Bat *Eumops perotis californicus*
  - Long-legged Myotis *Myotis volans*
  - Mojave Fringe-toed Lizard *Uma scoparia*
  - Mountain Lion *Felis concolor*
  - Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
  - Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
  - Sonoran Desert Tortoise *Gopherus agassizii*
  - Southwest Willow Flycatcher *Empidonax traillii extimus*

**(Linkage 44: Identified Species continued)**  
 Yuma Myotis *Myotis yumanensis*

**Threats:**  
 Highway (SR 72)  
 Railroad  
 Urbanization

**Hydrology:**  
 Bouse Wash



Photo by Bill Perry

**Linkage 45**  
**La Posa Plain**  
 Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma  
 ADOT Maintenance: Quartzsite  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 50%  
 State Trust Land 50%

- Identified Species:**
- Arizona Chuckwalla *Sauromalus ater*
  - Banded Gila Monster *Heloderma suspectum cinctum*
  - Big Free-tailed Bat *Nyctinomops macrotis*
  - Bighorn Sheep *Ovis canadensis*
  - California Leaf-nosed Bat *Macrotus californicus*
  - Cave Myotis *Myotis velifer*
  - Greater Western Mastiff Bat *Eumops perotis californicus*
  - Long-legged Myotis *Myotis volans*
  - Mojave Fringe-toed Lizard *Uma scoparia*
  - Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
  - Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
  - Sonoran Desert Tortoise *Gopherus agassizii*
  - Yuma Myotis *Myotis yumanensis*



## Linkage 46

### Buckskin Mountains – Harcuvar Mountains

Sonoran Desert EcoRegion

**(Linkage 45: continued)**

**Threats:**

- Border Security
- Highway (SR 95)
- Urbanization

**Hydrology:**

None identified



**County:** La Paz

**ADOT Engineering District:** Kingman

**ADOT Maintenance:** Wikieup

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 2 and 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	1%
Lower Colorado River Sonoran Desertscrub	99%

**Land Ownership:**

Bureau of Land Management	99%
State Trust Land	1%

**Identified Species:**

- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 46: Identified Species continued)**

Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Canal
- Roadway (Alamo Road)
- Urbanization

**Hydrology:**

Cunningham Wash





### Linkage 47 Dome Rock Mountains Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma

ADOT Maintenance: Quartzsite

ADOT Natural Resources Management Section: Phoenix and Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3 and 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management 88%  
State Trust Land 12%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**(Linkage 47: continued)**

**Threats:**

- Border Security
- Highway (I 10)
- Urbanization

**Hydrology:**

None identified



Photo by Dr. J. Scott Altenbach

### Linkage 48 Ranegras Plain Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma

ADOT Maintenance: Quartzsite

ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3 and 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 34%  
Lower Colorado River Sonoran Desertscrub 66%

**Land Ownership:**

Bureau of Land Management 97%  
Private Land 3%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*



## Linkage 49

### Granite Wash – Little Harquahala Mountains

Sonoran Desert Ecoregion

**(Linkage 48: Identified Species continued)**

Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
Highway (I 10; US 60)  
Urbanization

**Hydrology:**

Italian Wash  
Poormans Wash

**County:** La Paz

**ADOT Engineering District:** Prescott and Yuma

**ADOT Maintenance:** Quartzsite and Wickenburg

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3 and A4

**Legislative District:** 3 and 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	45%
Lower Colorado River Sonoran Desertscrub	55%

**Land Ownership:**

Bureau of Land Management	72%
Private Land	20%
State Trust Land	8%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*

**(Linkage 49: Identified Species continued)**

Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

Sonoran Desert Tortoise *Gopherus agassizii*

Yuma Myotis *Myotis yumanensis*

**Threats:**

Highway (SR 72; US 60)  
Railroad  
Urbanization

**Hydrology:**

None Identified



Photo by Bill & Shirley Freeman



### Linkage 50

#### Harcuvar Mountains – Harquahala Mountains

Sonoran Desert Ecoregion

County: La Paz, Maricopa and Yavapai

ADOT Engineering District: Prescott

ADOT Maintenance: Wickenburg

ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District and Phoenix District

Congressional District: 1, 2 and 7

Council of Government: Maricopa Association of Governments, Northern Arizona Council of Governments and Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3, 4 and 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	5%
Lower Colorado River Sonoran Desertscrub	95%

**Land Ownership:**

Bureau of Land Management	17%
Private Land	19%
State Trust Land	64%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

**(Linkage 50: Identified Species continued)**

- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Highway (US 60)
- Railroad
- Urbanization

**Hydrology:**

- Centennial Wash



### Linkage 51

#### Wickenburg

Sonoran Desert Ecoregion

County: Maricopa and Yavapai

ADOT Engineering District: Prescott

ADOT Maintenance: Wickenburg

ADOT Natural Resources Management Section: Phoenix and Prescott

AGFD: Region IV and Region VI

BLM: Phoenix District

Congressional District: 1 and 2

Council of Government: Maricopa Association of Governments and Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	94.5%
Lower Colorado River Sonoran Desertscrub	5%
Semidesert Grassland	0.5%

**Land Ownership:**

Bureau of Land Management	4%
Private Land	38%
State Trust Land	58%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Arizona Skink *Eumeces gilberti arizonensis*
- Arizona Toad *Bufo microscaphus*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Bonytail *Gila elegans*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*



**Linkage 52**  
**Hassayampa River – Red Picacho**  
 Sonoran Desert Ecoregion

**(Linkage 51: Identified Species continued)**

- Common Black-hawk *Buteogallus anthracinus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Desert Pupfish *Cyprinodon macularius*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Snowy Egret *Egretta thula*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Razorback Sucker *Xyrauchen texanus*
- Western Red Bat *Lasiurus blossevillii*
- Western Yellow Bat *Lasiurus xanthinus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Highway (SR 89; US 60; US 93)
- Railroad
- Urbanization

**Hydrology:**

- Antelope Creek
- Blue Tank Wash
- Box Wash
- Calamity Wash
- Cemetery Wash
- Daggs Wash
- Flying E Wash
- Hartman Wash
- Hassayampa River
- Jimmie Wash
- Little San Domingo Wash
- Martinez Wash

**(Linkage 51: Hydrology continued)**

- Mill Wash
- Mockingbird Wash
- Monarch Wash
- Ox Wash
- San Domingo Wash
- Sols Wash
- Star Wash
- Syndicate Wash
- Trilby Wash
- Turtleback Wash



Photo by Bill Horn

**County:** Maricopa and Yavapai

**ADOT Engineering District:** Prescott

**ADOT Maintenance:** Wickenburg

**ADOT Natural Resources Management Section:** Phoenix and Prescott

**AGFD:** Region VI

**BLM:** Phoenix District

**Congressional District:** 1 and 2

**Council of Government:** Maricopa Association of Governments and Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**

Private Land 4%  
 State Trust Land 96%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*



## Linkage 53

### North – South Mazatzal Mountains

Apache Highlands Ecoregion

**(Linkage 52: Identified Species continued)**

- Sonoran Desert Tortoise *Gopherus agassizii*
- Western Yellow Bat *Lasiurus xanthinus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Highway (Constellation Road)
- Urbanization

**Hydrology:**

- Blue Tank Wash
- Calamity Wash
- Hamlin Wash
- Mockingbird Wash



Photo by James Gallagher

**County:** Gila and Maricopa

**ADOT Engineering District:** Phoenix Maintenance and Prescott  
**ADOT Maintenance:** Mesa and Payson  
**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region VI

**BLM:** Gila District and Phoenix District

**Congressional District:** 1 and 5

**Council of Government:** Central Arizona Council of Governments and Maricopa Association of Governments

**FHWA Engineering:** A1 and A4

**Legislative District:** 5 and 23

**Biotic Communities (Vegetation Types):**

Interior Chaparral	76%
Semidesert Grassland	24%

**Land Ownership:**

Private Land	4%
USDA Forest Service (Tonto)	96%

**Identified Species:**

- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- Black Bear *Ursus americanus*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Longfin Dace *Agosia chrysogaster*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*

**(Linkage 53: Identified Species continued)**

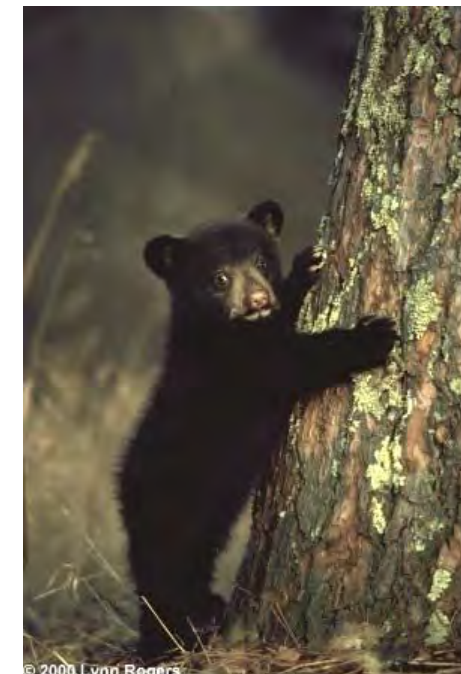
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Highway (SR 87)
- Urbanization

**Hydrology:**

- Corral Creek
- Cottonwood Creek
- East Fork Sycamore Creek
- Gold Creek
- Slate Creek
- Sycamore Creek
- West Fork Sycamore Creek



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**Linkage 54**

**Sierra Ancha – Superstition Mountains**

Apache Highlands Ecoregion  
Sonoran Desert Ecoregion

**County:** Gila and Maricopa

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Globe and Roosevelt

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region VI

**BLM:** Gila District and Phoenix District

**Congressional District:** 1 and 5

**Council of Government:** Central Arizona council of Governments and Maricopa Association of Governments

**FHWA Engineering:** A4

**Legislative District:** 5 and 23

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	85%
Interior Chaparral	15%

**Land Ownership:**

National Park Service (Tonto National Monument)	2%
Private Land	1%
USDA Forest Service (Tonto)	97%

**Identified Species:**

- Bald Eagle *Haliaeetus leucocephalus*
- Bighorn Sheep *Ovis canadensis*
- Black Bear *Ursus americanus*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Common Black-hawk *Buteogallus anthracinus*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*

**(Linkage 54: Identified Species continued)**

- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Northern Gray Hawk *Asturina nitida maxima*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Highway (SR 188)
- Urbanization

**Hydrology:**

- Blevens Wash
- Bumblebee Creek
- Campaign Creek
- Devore Wash
- Eads Wash
- Hicks Wash
- Horseshoe Bend Wash
- H-Z Wash
- Murray Wash
- Pinal Creek
- Pinto Creek
- Poison Springs Wash
- Quail Springs Wash
- Rock Creek
- Salt River
- Schoolhouse Wash
- Spring Creek
- Tonto Creek
- Wildcat Creek

**Linkage 55**

**East – West Sierra Ancha SR 288**

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion  
Sonoran Desert Ecoregion

**County:** Gila and Coconino

**ADOT Engineering District:** Globe and Prescott

**ADOT Maintenance:** Payson and Roosevelt

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region I and Region VI

**BLM:** Gila District and Phoenix District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments and Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 1 and 5

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	22%
Great Basin Conifer Woodland	17%
Interior Chaparral	12%
Madrean Evergreen Woodland	< 0.5%
Petran Montane Conifer Forest	33%
Semidesert Grassland	16%

**Land Ownership:**

Private Land	10%
USDA Forest Service (Apache-Sitgreaves, Tonto)	90%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Myotis *Myotis occultus*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Bighorn Sheep *Ovis canadensis*
- Black Bear *Ursus americanus*



**Linkage 56**  
**Sevenmile – Sevenmile East US 60**  
 Apache Highlands Ecoregion

**(Linkage 55: Identified Species continued)**

- Bobcat *Lynx rufus*
- Cave Myotis *Myotis velifer*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Common Black-hawk *Buteogallus anthracinus*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Northern Goshawk *Accipiter gentilis*
- Northern Gray Hawk *Asturina nitida maxima*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Roundtail Chub *Gila robusta*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Western Red Bat *Lasiurus blossevillii*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Grazing
- Highway (SR 288)
- Urbanization

**Hydrology:**

- Ash Creek
- Cherry Creek
- Connor Wash
- Dinner Creek
- Eads Wash
- Griffin Wash
- Haigler Creek
- Honey Creek
- H-Z Wash
- McFadden Creek

**(Linkage 55: Hydrology continued)**

- Meddler Wash
- North Fork Parker Creek
- P. B. Creek
- Parker Creek
- Pinal Creek
- Pocket Creek
- Reynolds Creek
- Rose Creek
- Salt River
- Shute Springs Creek
- South Fork Parker Creek
- Turkey Creek
- Walnut Creek
- Warm Creek
- Workman Creek



**County:** Gila and Navajo

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Globe, Indian Pine and Show Low

**ADOT Natural Resources Management Section:** Flagstaff and Phoenix

**AGFD:** Region I and Region VI

**BLM:** Gila District and Phoenix District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments and Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	0.2%
Great Basin Conifer Woodland	51.6%
Interior Chaparral	30.7%
Petran Montane Conifer Forest	17%
Semidesert Grassland	0.5%

**Land Ownership:**

Private Land	4%
Tribal Land (San Carlos; White Mountain Apache)	62%
USDA Forest Service (Tonto)	34%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Black Bear *Ursus americanus*
- Cave Myotis *Myotis velifer*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Common Black-hawk *Buteogallus anthracinus*
- Elk *Cervus elaphus*



## Linkage 57 Faught Ridge - Baldy SR 73

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

**(Linkage 56: Identified Species continued)**

- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mule Deer *Odocoileus hemionus*
- Mountain Lion *Felis concolor*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Roundtail Chub *Gila robusta*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Highway (US 60)

**Hydrology:**

- Ash Creek
- Cammerman Wash
- Carrizo Creek
- Champion Creek
- Cienega Creek
- Corduroy Creek
- Corral Creek
- Forestdale Creek
- Ramboz Wash
- Salt River
- Sevenmile Wash



**County:** Navajo

**ADOT Engineering District:** Globe  
**ADOT Maintenance:** Indian Pine  
**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

Great Basin Conifer Woodland	13%
Petran Montane Conifer Forest	87%

**Land Ownership:**

Tribal Land (White Mountain Apache)	100%
-------------------------------------	------

- Identified Species:**
- Elk *Cervus elaphus*
  - Gray Wolf *Canis lupus*
  - Javelina *Tayassu tajacu*
  - Mearns' Quail *Crytonyx montezumae*
  - Mule Deer *Odocoileus hemionus*
  - Narrow-headed Gartersnake *Thamnophis rufipunctatus*
  - Osprey *Pandion haliaetus*
  - Roundtail Chub *Gila robusta*
  - Tassel-eared Squirrel *Sciurus aberti*
  - White-nosed Coati *Nasua narica*

**(Linkage 57: continued)**

**Threats:**

- Highway (SR 73)
- Urbanization

**Hydrology:**

- Bull Creek
- Corduroy Creek
- Cottonwood Wash
- Diamond Creek
- North Fork White River





**Linkage 58**

**State Route 260 East**

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion

**County:** Apache and Navajo

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Indian Pine and Springerville

**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

Petran Montane Conifer Forest	85%
Subalpine Grassland	15%

**Land Ownership:**

Private Land	1%
Tribal Land (White Mountain Apache)	81%
USDA Forest Service (Apache-Sitgreaves)	18%

**Identified Species:**

- Apache (Arizona) Trout *Oncorhynchus apache*
- Black Bear *Ursus americana*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Elk *Cervus elaphus*
- Gray Wolf *Canis lupus*
- Gunnison's Prairie Dog *Cynomys gunnisoni*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Northern Leopard Frog *Rana pipiens*
- Osprey *Pandion haliaetus*

**(Linkage 58: Identified Species continued)**

- Pronghorn *Antilocapra americana*
- Riparian Obligates
- Tassel-eared Squirrel *Sciurus aberti*
- White Mountains Ground Squirrel *Spermophilus tridecemlineatus monticola*
- White-tailed Deer *Odocoileus virginianus*
- Wild Turkey *Meleagris gallopavo*

**Threats:**

- Highway (SR 260; SR 273; SR 373)
- Railroad
- Urbanization

**Hydrology:**

- Bar H Creek
- Black Bear Cienega Creek
- Bog Creek
- Corduroy Creek
- Fish Creek
- Gomez Creek
- Gooseberry Creek
- Horseshoe Creek
- Little Bog Creek
- McNary Ditch
- North Fork White River
- Paradise Creek
- Soldier Creek



**Linkage 59**

**Correjo Crossing – Clifton US 191**

Apache Highlands Ecoregion  
Arizona/New Mexico Mountains Ecoregion  
Sky Island Ecoregion

**County:** Apache, Graham and Greenlee

**ADOT Engineering District:** Globe and Safford

**ADOT Maintenance:** Safford, Springerville and Three Way

**ADOT Natural Resources Management Section:** Flagstaff and Tucson

**AGFD:** Region I, Region V and Region VI

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments and South Eastern Arizona Governments Organization

**FHWA Engineering:** A4

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	3%
Chihuahuan Desertscrub	3%
Great Basin Conifer Woodland	11%
Interior Chaparral	3%
Madrean Evergreen Woodland	4%
Petran Montane Conifer Forest	45%
Petran Subalpine Conifer Forest	< 0.5%
Plains & Great Basin Grassland	8%
Semidesert Grassland	23%

**Land Ownership:**

Bureau of Land Management	4%
Private Land	34%
State Trust Land	5%
USDA Forest Service (Apache-Sitgreaves)	57%

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*



**(Linkage 59: Identified Species continued)**

American Peregrine Falcon *Falco peregrinus anatum*  
 Apache (Arizona) Trout *Oncorhynchus apache*  
 Arizona Myotis *Myotis occultus*  
 Bighorn Sheep *Ovis canadensis*  
 Black Bear *Ursus americanus*  
 Chiracahua Leopard Frog *Rana chiricahuensis*  
 Common Black-hawk *Buteogallus anthracinus*  
 Desert Sucker *Catostomus clarki*  
 Elk *Cervus elaphus*  
 Gila Trout *Oncorhynchus gilae*  
 Gray Wolf *Canis lupus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Little Colorado Spinedace *Lepidomeda vittata*  
 Little Colorado Sucker *Catostomus sp. 3*  
 Loach Minnow *Tiaroga cobitis*  
 Longfin Dace *Agosia chrysogaster*  
 Long-legged Myotis *Myotis volans*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mexican Spotted Owl *Strix occidentalis lucida*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Narrow Headed Gartersnake *Thamnophis rufipunctatus*  
 Northern Goshawk *Accipiter gentilis*  
 Northern Leopard Frog *Rana pipiens*  
 Pronghorn *Antilocapra americana*  
 Sonora Sucker *Catostomus insignis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Speckled Dace *Rhinichthys osculus*  
 Tassel-eared Squirrel *Sciurus aberti*  
 White-nosed Coati *Nasua narica*  
 White-tailed Deer *Odocoileus virginianus*  
 Wild Turkey *Meleagris gallopavo*

**Threats:**

Grazing  
 Highway (US 191)  
 Mining  
 Railroad  
 Urbanization

**(Linkage 59: continued)****Hydrology:**

Auger Creek  
 Beaver Creek  
 Campbell Blue Creek  
 Castle Creek  
 Chase Creek  
 Cienega Creek  
 Coleman Creek  
 Colter Creek  
 Corduroy Creek  
 Davis Creek  
 Eagle Creek  
 East Eagle Creek  
 Fish Creek  
 Foote Creek  
 Gila River  
 Grant Creek  
 Hannagan Creek  
 Hulsey Creek  
 Juan Miller Creek  
 K. P. Creek  
 Limestone Gulch  
 Milk Creek  
 North Corral Creek  
 North Fork Black Wallow Creek  
 Nutrioso Creek  
 Paddy Creek  
 Picnic Creek  
 Pigeon Creek  
 Pipestem Creek  
 Raspberry creek  
 Riggs Creek  
 Right Fork Foote Creek  
 Rousensock Creek  
 Rudd Creek  
 Salt House Creek  
 San Francisco River  
 Sardine Creek  
 Sheep Wash  
 Silver Basin Creek  
 Squaw Creek  
 Stray Horse Creek

**(Linkage 59: Hydrology continued)**

Thomas Creek  
 Turkey Creek  
 Watts Creek  
 Whitewater Creek



**Linkage 60**  
**Black Hills – Tollgate Canyon**  
 Sky Island Ecoregion

**County:** Graham and Greenlee

**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Safford and Three Way  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 5%  
 Semidesert Grassland 95%

**Land Ownership:**  
 Bureau of Land Management 98%  
 Private Land 2%

**Identified Species:**  
 Bighorn Sheep *Ovis canadensis*  
 Javelina *Tayassu tajacu*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*

**Threats:**  
 Highway (US 191)  
 Urbanization

**Hydrology:**  
 Tollgate Wash

**Linkage 61**  
**Black Hills – Peloncillo Mountains**  
 Sky Island Ecoregion

**County:** Graham and Greenlee

**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Safford and Three Way  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**  
 Semidesert Grassland 100%

**Land Ownership:**  
 Bureau of Land Management 60%  
 Private Land 15.5%  
 State Trust Land 24.5%

**Identified Species:**  
 Bighorn Sheep *Ovis canadensis*  
 Javelina *Tayassu tajacu*  
 Mule Deer *Odocoileus hemionus*

**Threats:**  
 Highway (US 70)  
 Urbanization

**Hydrology:**  
 Shoat Tank Wash  
 Slick Rock Wash

**Linkage 62**  
**State Route 75**  
 Apache Highlands Ecoregion

**County:** Greenlee

**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Three Way  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**  
 Chihuahuan Desertscrub 59%  
 Madrean Evergreen Woodland 9%  
 Semidesert Grassland 32%

**Land Ownership:**  
 Bureau of Land Management 2%  
 Private Land 19%  
 State Trust Land 79%

**Identified Species:**  
 Black Bear *Ursus americana*  
 Common Black-hawk *Buteogallus anthracinus*  
 Javelina *Tayassu tajacu*  
 Mule Deer *Odocoileus hemionus*  
 Small Mammals

**Threats:**  
 Highway (SR 75)  
 Railroad  
 Urbanization



## Linkage 63

### Trigo Mountains – Kofa Mountains

Sonoran Desert Ecoregion

**(Linkage 62: continued)**

**Hydrology:**

- Apache Creek
- Bitter Creek
- Cottonwood Creek
- Dromedary Creek
- Gila River
- Greaser Wash
- Harris Wash
- Kaywood Wash
- Linden Creek
- Little Sand Wash
- Lop Ear Creek
- Sand Wash
- Sanders Wash
- Sandia Wash
- Skully Creek
- Stove Wash
- Wampoo Wash
- Waters Wash
- Willow Creek



**County:** La Paz and Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub	100%
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**Land Ownership:**

Bureau of Land Management	92%
Department of Defense (Yuma Test Range)	2.5%
National Wildlife Refuge (Kofa)	3.5%
Private Land	2%

**Identified Species:**

- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 63: Identified Species continued)**

Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Highway (US 95)
- Urbanization

**Hydrology:**

- French Creek
- Indian Wash
- Tyson Wash



**Linkage 64**  
**Bighorn Belmont – Saddle Mountain**  
 Sonoran Desert EcoRegion

County: Maricopa

ADOT Engineering District: Yuma

ADOT Maintenance: Gila Bend

ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Phoenix District

Congressional District: 2 and 7

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3

Legislative District: 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management 1%  
 Private Land 72%  
 State Trust Land 27%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 64: Identified Species continued)**

Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Central Arizona Project Canal
- Highway (I 10)
- Urbanization

**Hydrology:**

- Delaney Wash
- Old Camp Wash



Photo by Doug Duncan

**Linkage 65**  
**White Tanks – Hassayampa River**  
 Sonoran Desert EcoRegion

County: Maricopa

ADOT Engineering District: Phoenix Maintenance and Yuma

ADOT Maintenance: Avondale and Gila Bend

ADOT Natural Resources Management Section: Phoenix and Prescott

AGFD: Region VI

BLM: Phoenix District

Congressional District: 2

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3

Legislative District: 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 11%  
 Lower Colorado River Sonoran Desertscrub 89%

**Land Ownership:**

Private Land 81%  
 State Trust Land 19%

**Identified Species:**

- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Javelina *Tayassu tajacu*
- Mule Deer *Odocoileus hemionus*
- Mountain Lion *Felis concolor*
- Sonoran Desert Tortoise *Gopherus agassizii*

**Threats:**

- Border Security
- Highway Threat (Sun Valley Parkway)
- Urbanization



**Linkage 66  
Superior - Miami  
US 60**

Apache Highlands Ecoregion  
Sonoran Desert Ecoregion

(Linkage 65: continued)  
Hydrology:  
Hassayampa River



Photo by Eric Vondy

County: Gila and Pinal

ADOT Engineering District: Globe  
ADOT Maintenance: Globe and Superior  
ADOT Natural Resources Management Section: Phoenix

AGFD: Region 5 and Region 6

BLM: Gila District and Phoenix District

Congressional District: 1

Council of Government: Central Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 5 and 23

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	45%
Interior Chaparral	37%
Madrean Evergreen Woodland	10%
Semidesert Grassland	8%

**Land Ownership:**

Bureau of Land Management	2%
Private Land	36.5%
State Trust Land	12.5%
USDA Forest Service	49%

- Identified Species:**
- Black Bear *Ursus americanus*
  - Bighorn Sheep *Ovis canadensis*
  - Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
  - Common Black-hawk *Buteogallus anthracinus*
  - Desert Pupfish *Cyprinodon macularius*
  - Gila Topminnow *Poeciliopsis occidentalis occidentalis*

**(Linkage 66: Identified Species continued)**

- Greater Western Mastiff Bat *Eumops perotis californicus*
- Lowland Leopard Frog *Rana yavapaiensis*
- Javelina *Tayassu tajacu*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Tucson Shovel-nosed Snake *Chionactis occipitalis klauberi*
- Western Red Bat *Lasiurus blossevillii*
- Western Small-footed Myotis *Myotis ciliolabrum*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-nosed Coati *Nasua narica*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Highway (US 60)
- Mining
- Railroad
- Urbanization

**Hydrology:**

- Arnett Creek
- Bloody Tanks Wash
- Pinto Creek
- Queen Creek
- Reymert Wash
- Russell Gulch



## Linkage 67 Gila River - El Capitan

Sky Island Ecoregion  
Sonoran Desert Ecoregion

**County:** Gila and Pinal

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Globe and Superior

**ADOT Natural Resources Management Section:** Phoenix and Tucson

**AGFD:** Region 5 and Region 6

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5 and 23

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	99.8%
Semidesert Grassland	0.2%

**Land Ownership:**

Bureau of Land Management	20%
Bureau of Reclamation	1%
Private Land	68%
State Trust Land	11%

**Identified Species:**

- Bald Eagle *Haliaeetus leucocephalus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Loach Minnow *Tiaroga cobitis*
- Longfin Dace *Agosia chrysogaster*
- Mississippi Kite *Ictinia mississippiensis*
- Mountain Lion *Felis concolor*

**(Linkage 67: Identified Species continued)**

- Mule Deer *Odocoileus hemionus*
- Northern Gray Hawk *Asturina nitida maxima*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonora Sucker *Catostomus insignis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Spikedace *Meda fulgida*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

- De-watering of rivers
- Highway (SR 77)
- Mining
- Railroad
- Urbanization

**Hydrology:**

- Ash Creek
- Gila River
- Hackberry Wash
- Indian Camp Wash
- Romero Wash
- San Pedro River
- Smith Wash
- Steamboat Wash



## Linkage 68 Saddle Mountain - Gila Bend Mountains

Sonoran Desert Ecoregion

**County:** Maricopa

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub	100%
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**Land Ownership:**

Bureau of Land Management	14%
Private Land	75%
State Trust Land	11%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- LeConte's Thrasher *Toxostoma lecontei*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

## Linkage 69

### Laguna Mountains – Muggins Mountains

Sonoran Desert Ecoregion

**(Linkage 68: Identified Species continued)**

Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Agriculture  
 Border Security  
 Highway (Agua Caliente)  
 Railroad  
 Urbanization

**Hydrology:**

Centennial Wash



Photo by Fred Labounty

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	26%
Department of Defense (Yuma Test Range)	24%
Bureau of Reclamation	4%
Private Land	34%
State Trust Land	12%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*

**(Linkage 69: Identified Species continued)**

Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Spotted Bat *Euderma maculatum*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Yellow-billed Cuckoo *Coccyzus americanus Occidentalis*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Canal  
 Highway (US 95)  
 Railroad  
 Urbanization

**Hydrology:**

Castle Dome Wash  
 Dome Canal  
 Dome Protective Channel  
 Gila Gravity Main Canal  
 Gila River  
 Wellton Mohawk Canal





**Linkage 70**  
**Arizona Service Highway (ASH)**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma  
 ADOT Maintenance: Yuma  
 ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	14%
Department of Defense (Barry Goldwater Air Force Range)	26%
Bureau of Reclamation	20%
Private Land	28%
State Trust Land	12%

**Identified Species:**  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Flat-tailed Horned Lizard *Phrynosoma mcallii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Western Burrowing Owl *Athene cunicularia hypugaea*

**(Linkage 70: Identified Species continued)**

Yuma Hispid Cotton Rat *Sigmodon hispidus eremicus*  
 Yuma Myotis *Myotis yumanensis*  
 Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**  
 Canal  
 Highway (SR 195)  
 Railroad  
 Urbanization

**Hydrology:**  
 A Canal  
 B Canal  
 E Main Canal  
 Main Drain  
 South Drain  
 South Gila Valley Main Canal  
 W Main Canal



**Linkage 71**  
**North - South Gila Mountains**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma  
 ADOT Maintenance: Yuma  
 ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	92%
Private Land	2%
State Trust Land	6%

**Identified Species:**  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*



## Linkage 72 Sentinel Plain

Sonoran Desert Ecoregion

**(Linkage 71: Identified Species continued)**

- Pronghorn *Antilocapra americana*
- Spotted Bat *Euderma maculatum*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*
- Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

- Border Security
- Highway (I 8)
- Railroad
- Urbanization

**Hydrology:**

None Identified



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**County:** Maricopa and Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend and Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24 and 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	13%
Bureau of Reclamation	2%
Department of Defense (Barry Goldwater Air Force Range)	2%
Private Land	46%
State Trust Land	37%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Flat-tailed Horned Lizard *Phrynosoma mcallii*
- Great Egret *Ardea alba*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Least Bittern *Ixobrychus exilis*

**(Linkage 72: Identified Species continued)**

- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Snowy Egret *Egretta thula*
- Spotted Bat *Euderma maculatum*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-faced Ibis *Plegadis chihi*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

- Border Security
- Canal
- Highway (I 8)
- Railroad
- Urbanization

**Hydrology:**

- Baragan Wash
- Clanton Wash
- Columbus Wash
- Copper Wash
- Deadman Wash
- Farmers Canal
- Gila River
- Gravel Wash
- Hoodoo Wash
- Mohawk Canal
- Nottbusch Wash
- Owl Wash
- San Cristobal Wash
- Sentinel Wash
- Tenmile Wash
- Texas Hill Canal



## Linkage 73 Gila Bend Mountains - North Maricopa Mountains

Sonoran Desert Ecoregion

**(Linkage 72: Hydrology continued)**

The Lagoon  
Wellton Mohawk Main Channel  
Yaqui Wash



**County:** Maricopa

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV and Region VI

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	0.3%
Lower Colorado River Sonoran Desertscrub	99.7%

**Land Ownership:**

Bureau of Land Management	1%
Private Land	76%
State Trust Land	23%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*

**(Linkage 73: Identified Species continued)**

- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Canal
- Highway (SR 85)
- Urbanization

**Hydrology:**

- Arlington Canal
- Enterprise Canal
- Gila River
- Rainbow Wash



## Linkage 74 North Maricopa Mountains – Sierra Estrella Mountains

Sonoran Desert Ecoregion

**County:** Maricopa

**ADOT Engineering District:** Phoenix Maintenance, Tucson and Yuma

**ADOT Maintenance:** Avondale, Casa Grande and Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV and Region VI

**BLM:** Phoenix District

**Congressional District:** 2 and 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A2 and A3

**Legislative District:** 12 and 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub	100%
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**Land Ownership:**

Bureau of Land Management	3%
Private Land	56%
State Trust Land	41%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Javelina *Tayassu tajacu*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*

**(Linkage 74: Identified Species continued)**

Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Agriculture  
 Border Security  
 Highway (Rainbow Valley)  
 Urbanization

**Hydrology:**

Waterman Wash  
 West Prong Waterman Wash



## Linkage 75 State Route 85 Sonoran Desert Ecoregion

**County:** Maricopa and Pima

**ADOT Engineering District:** Tucson and Yuma

**ADOT Maintenance:** Gila Bend and Three Points

**ADOT Natural Resources Management Section:** Phoenix and Tucson

**AGFD:** Region IV and Region V

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments and Pima Association of Governments

**FHWA Engineering:** A2 and A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	38%
Lower Colorado River Sonoran Desertscrub	62%

**Land Ownership:**

Bureau of Land Management	21%
Department of Defense (Barry Goldwater Air Force Range)	33%
National Park Service (Organ Pipe)	32%
Private Land	13%
State Trust Land	1%

**Identified Species:**

Ajo Mountain Whipsnake *Masticophis bilineatus lineolatus*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*



**Linkage 76**  
**South Maricopa Mountains– Sand Tanks**  
 Sonoran Desert Ecoregion

**(Linkage 75: Identified Species continued)**

- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Tiger Rattlesnake *Crotalus tigris*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Agriculture
- Border Security
- Highway (SR 85)
- Urbanization

**Hydrology:**

- Alamo Wash
- Cherioni Wash
- Cuerda de Lena
- Darby Arroyo
- Gibson Arroyo
- Gunsight Wash
- Kuakatch Wash

**(Linkage 75: Hydrology continued)**

- Midway Wash
- Rio Cornez
- Tenmile Wash



County: Maricopa

ADOT Engineering District: Yuma  
 ADOT Maintenance: Gila Bend  
 ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Phoenix District

Congressional District: 7

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3

Legislative District: 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	71%
Lower Colorado River Sonoran Desertscrub	29%

**Land Ownership:**

Bureau of Land Management	100%
---------------------------	------

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-Nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*



## Linkage 77 Quijotoa Valley Sonoran Desert Ecoregion

**(Linkage 76: Identified Species continued)**

- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Agriculture
- Border Security
- Highway (I 8)
- Urbanization

**Hydrology:**

- Bender Wash



Photo by Chan Robbins

**County:** Pima

**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Three Points  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	18%
Lower Colorado River Sonoran Desertscrub	82%

**Land Ownership:**

Private Land	1%
Tribal Land (Tohono O'odham)	99%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Arizona Mud Turtle *Kinosternon arizonense*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*

**(Linkage 77: Identified Species continued)**

- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra Americana*
- Tiger Rattlesnake *Crotalus tigris*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Highway (SR 86)
- Urbanization

**Hydrology:**

- Gunsight Wash
- Hickiwan Wash
- San Simon Wash
- Sikort Chuapo Wash



Photo ©2003 Tom Brennan



**Linkage 78**  
**State Route 79**  
 Sonoran Desert Ecoregion

**County:** Pinal

**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Oracle  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 23

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**  
 Private Land 4%  
 State Trust Land 96%

**Identified Species:**  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Tiger Rattlesnake *Crotalus tigris*  
 Tucson Shovel-nosed Snake *Chionactis occipitalis klauberi*

**Threats:**  
 Border Security

**(Linkage 78: Threats continued)**  
 Highway (SR 79)  
 Urbanization

**Hydrology:**  
 Tom Mix Wash



Photo by Erik F. Enderson

**Linkage 79**  
**Ironwood – Tortolita**  
 Sonoran Desert Ecoregion

**County:** Pima and Pinal

**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Oracle, Three Points and Tucson North  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 7

**Council of Government:** Central Arizona Council of Governments and Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 23 and 25

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 29%  
 Lower Colorado River Sonoran Desertscrub 71%

**Land Ownership:**  
 Bureau of Land Management 4.5%  
 Bureau of Reclamation 1.5%  
 Private Land 43%  
 State Trust Land 51%

**Identified Species:**  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 Cave Myotis *Myotis velifer*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Western Burrowing Owl *Athene cunicularia hypugaea*



## Linkage 80 Saguaro – Tortolita

Sky Island Ecoregion  
Sonoran Desert Ecoregion

**(Linkage 79: continued)**

**Threats:**

- Agriculture
- Border Security
- Canal (Central Arizona Project)
- Highway (I 10; Avra Valley)
- Railroad
- Urbanization

**Hydrology:**

- Blanco Wash
- Cocio Wash
- Los Robles Wash
- Santa Cruz River



**County:** Pima and Pinal

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Oracle, Tucson North and Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1, 7 and 8

**Council of Government:** Central Arizona Council of Governments and Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 23, 25, 26 and 27

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	92%
Lower Colorado River Sonoran Desertscrub	3%
Semidesert Grassland	5%

**Land Ownership:**

Bureau of Land Management	1%
Private Land	68%
State Trust Land	31%

**Identified Species:**

- Bobcat *Lynx rufus*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- Cave Myotis *Myotis velifer*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 80: continued)**

**Threats:**

- Agriculture
- Canal (Central Arizona Project)
- Highway (I 10; Picture Road)
- Railroad
- Urbanization

**Hydrology:**

- Santa Cruz River



Photo by John Hoffman





## Linkage 81 Santa Catalina - Tortolita

Sky Island Ecoregion  
Sonoran Desert Ecoregion

**County:** Pima and Pinal

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Oracle and Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** Central Arizona Council of Governments and Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 23 and 26

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	4%
Interior Chaparral	3%
Semidesert Grassland	93%

**Land Ownership:**

Private Land	34%
State Trust Land	66%

**Identified Species:**

- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Tiger Rattlesnake *Crotalus tigris*

**(Linkage 81: continued)**

**Threats:**

- Agriculture
- Highway (SR 77; Tangerine Road)
- Urbanization

**Hydrology:**

- Batamote Wash
- Big Wash
- Canada del Oro
- Carpas Wash
- Chalk Wash
- Chirreon wash
- Copper Wash
- Dodge Tank Wash
- Faraway Wash
- Honey Bee Canyon Wash
- Indian Town Wash
- Sahuarita Wash
- Sausalito Creek
- Sutherland Wash
- Twentynine Wash
- Twentyseven Wash



## Linkage 82 Santa Catalina - Galliuero

Sky Island Ecoregion

**County:** Cochise, Graham, Pima and Pinal

**ADOT Engineering District:** Safford and Tucson

**ADOT Maintenance:** Oracle, Safford, St. David and Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** Central Arizona Council of Governments, Pima Association of Governments and South Eastern Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5, 23, 25, 26 and 30

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	56%
Chihuahuan Desertscrub	1%
Interior Chaparral	1%
Madrean Evergreen Woodland	2%
Semidesert Grassland	40%

**Land Ownership:**

Bureau of Land Management	2%
Private Land	25%
State Trust Land	73%

**Identified Species:**

- Black Bear *Ursus americanus*
- Bighorn Sheep *Ovis canadensis*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Native Fishes
- White-tailed Deer *Odocoileus virginianus*



## Linkage 83 Galliuro - Pinaleno Sky Island Ecoregion

**(Linkage 82: continued)**

**Threats:**

- Agriculture
- Highway (Several Small Roads)
- Railroad
- Urbanization

**Hydrology:**

- Alder Wash
- Bollen Wash
- Buehman Canyon
- Catalina Wash
- Chimney Rock Creek
- Clark Wash
- Copper Creek
- Flag Wash
- Gibb Wash
- Gust James Wash
- Little Gust James Wash
- Mulberry Wash
- North Fork Clark Wash
- Peppersauce Wash
- Peters Wash
- Ray Spring Wash
- Redfield Canyon
- San Pedro River
- Scanlon Wash
- South Fork Clark wash
- Soza Wash
- Stratton Wash



**County:** Cochise and Graham

**ADOT Engineering District:** Safford and Tucson

**ADOT Maintenance:** Oracle and Safford

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V and Region VI

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** Central Arizona Council of Governments and South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5, 23 and 26

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	<1%
Great Basin Conifer Woodland	3%
Interior Chaparral	5%
Madrean Evergreen Woodland	3%
Plains & Great Basin Grassland	<1%
Semidesert Grassland	89%

**Land Ownership:**

Private Land	37%
State Trust Land	63%

**Identified Species:**

- American Peregrine Falcon *Falco peregrinus anatum*
- Apache (Arizona) Trout *Oncorhynchus apache*
- Black Bear *Ursus americanus*
- Cave Myotis *Myotis velifer*
- Javelina *Tayassu tajacu*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Goshawk *Accipiter gentilis*

**(Linkage 83: Identified Species continued)**

- Pronghorn *Antilocapra americana*
- Western Red Bat *Lasiurus blossevillii*
- White-bellied Long-tailed Vole *Microtus longicaudus leucophaeus*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Highway (SR 266; Small Roads)
- Urbanization

**Hydrology:**

- Aravaipa Creek
- Ash Creek
- Bar-X Wash
- Big Creek
- Box Spring Creek
- Crazy Horse Wash
- Deer Creek
- Fourmile Creek
- Fresnal Wash
- Gardner Creek
- Goudy Canyon Wash
- Grant Creek
- Grapevine Canyon Wash
- High Creek
- Hog Canyon Wash
- Horton Creek
- Jesus Canyon Wash
- Kennedy Falls Wash
- Klondyke Wash
- Left Branch Long Hollow
- Long Hollow
- Low Creek
- Martin Wash
- Mud Springs Wash
- North Oak Creek
- Oak Creek
- Paddys River
- Pitchfork Canyon Wash
- Rattlesnake Creek
- Reiley Creek



**Linkage 84**  
**Pinaleno – San Simon Valley**  
 Sky Island Ecoregion

**(Linkage 83: Hydrology continued)**

- Right Branch Long Hollow
- Sand Wash
- Sheep Wash
- South Fork Ash Creek
- South Oak Creek
- South Taylor Wash
- Squaw Creek
- Telegraph Wash
- Turkey Creek
- Two E Wash
- Underwood Wash

**County:** Graham

**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Safford  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	14%
Chihuahuan Desertscrub	0.5%
Semidesert Grassland	85.5%

**Land Ownership:**

Bureau of Land Management	13%
Private Land	12%
State Trust Land	75%

**Identified Species:**

- Bobcat *Lynx rufus*
- Javelina *Tayassu tajacu*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Mexican Long-tongued Bat *Choeronycteris mexicana*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*

**Threats:**

- Highway (US 191)
- Urbanization

**(Linkage 84: continued)**

**Hydrology:**

- Dial Wash
- Gold Gulch
- Jacobson Creek
- Marijilda Wash
- Oak Draw
- Owl Wash
- Stockton Wash
- WA Wash
- Willow Spring Wash



**Linkage 85**  
**Avra Valley**  
 Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson  
 ADOT Maintenance: Three Points and Tucson South  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District and Phoenix District

Congressional District: 7

Council of Government: Pima Association of Governments

FHWA Engineering: A2

Legislative District: 25 and 27

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 34%  
 Lower Colorado River Sonoran Desertscrub 66%

**Land Ownership:**  
 Bureau of Land Management 1%  
 Private Land 77%  
 State Trust Land 22%

**Identified Species:**  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Mountain Lion *Felis concolor*  
 Sonoran Desert Tortoise *Gopherus agassizii*

**Threats:**  
 Agriculture  
 Canal (Central Arizona Project)  
 Highway (Sandario Road)  
 Urbanization

(Linkage 85: continued)  
 Hydrology:  
 Brawley Wash



**Linkage 86**  
**Kitt Peak**  
 Sky Island Ecoregion  
 Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson  
 ADOT Maintenance: Three Points  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Phoenix District

Congressional District: 7

Council of Government: Pima Association of Governments

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 9%  
 Madrean Evergreen Woodland 28%  
 Semidesert Grassland 63%

**Land Ownership:**  
 Private Land 1%  
 Tribal Land (Tohono O'dham) 99%

**Identified Species:**  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mule Deer *Odocoileus hemionus*  
 Sonoran Desert Tortoise *Gopherus agassizii*

**Threats:**  
 Border Security  
 Highway (SR 86; SR 386)  
 Urbanization



## Linkage 87 Tucson Mountains – San Xavier (San Robles Pass)

Sonoran Desert Ecoregion

(Linkage 86: continued)

**Hydrology:**

- Pan Tak Wash
- Pavo Kug Wash
- San Vicente Wash
- Viopuli Wash



**County:** Pima

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25 and 27

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	100%
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**Land Ownership:**

Bureau of Land Management	4%
Private Land	88%
State Trust Land	5%
Tribal Land (Pascau Yaqui; San Xavier)	3%

**Identified Species:**

- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Giant Spotted Whiptail *Aspiloscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Mountain Lion *Felis concolor*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Western Burrowing Owl *Athene cunicularia hypugaea*

(Linkage 87: continued)

**Threats:**

- Border Security
- Highway (SR 86)
- Urbanization

**Hydrology:**

- Santa Cruz River
- West Branch Santa Cruz River



**Linkage 88**  
**Galliuero – Winchester - Dragoons**

Sky Island Ecoregion

**County:** Cochise and Graham

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Safford, St. David and Willcox

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5 and 25

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub	<1%
Madrean Evergreen Woodland	29%
Plains & Great Basin Woodland	4%
Semidesert Grassland	67%

**Land Ownership:**

Bureau of Land Management	2%
Private Land	24%
State Trust Land	74%

**Identified Species:**

- Black Bear *Ursus americanus*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Grassland Birds
- Javelina *Tayassu tajacu*
- Mexican Long-tongued Bat *Choeronycteris mexicana*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Ornate Box Turtle *Terrapene ornata*
- Plains Leopard Frog *Rana blairi*
- Texas Horned Lizard *Phrynosoma cornutum*

**(Linkage 88: Identified Species continued)**

- White-nosed Coati *Nasua narica*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Highway (I 10)
- Railroad
- Urbanization

**Hydrology:**

- Ash Creek Canyon
- Dragoon Wash
- Hot Springs Canyon
- South Fork Canyon
- Teran Wash
- Tres Alamos Wash
- Walnut Wash



**Linkage 89**  
**Willcox Playa – Winchester – Pinaleno – Dos Cabezas**

Sky Island Ecoregion

**County:** Cochise and Graham

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Safford, St. David and Willcox

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5 and 25

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	6%
Semidesert Grassland	94%

**Land Ownership:**

Private Land	57%
State Trust Land	43%

**Identified Species:**

- Bobcat *Lynx rufus*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Ornate Box Turtle *Terrapene ornata*
- Plains Leopard Frog *Rana blairi*
- Pronghorn *Antilocapra americana*
- Texas Horned Lizard *Phrynosoma cornutum*
- Western Burrowing Owl *Athene cunicularia hypugaea*



## Linkage 90

### Pinaleno – Dos Cabezas – San Simon Valley

Sky Island Ecoregion

**(Linkage 89: continued)**

**Threats:**

- Border Security
- Highway (I 10; SR 186)
- Railroad
- Urbanization

**Hydrology:**

- Ash Creek
- Bee Canyon Wash
- Sacaton Wash
- Wood Canyon Wash



**County:** Cochise and Graham

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Safford and Willcox

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 1 and 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 5 and 25

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub	70%
Madrean Evergreen Woodland	3%
Semidesert Grassland	27%

**Land Ownership:**

Bureau of Land Management	6%
Private Land	37%
State Trust Land	57%

**Identified Species:**

- California Leaf-nosed Bat *Macrotus californicus*
- Fringed Myotis *Myotis thysanodes*
- Jaguar *Panthera onca*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mule Deer *Odocoileus hemionus*
- Ornate Box Turtle *Terrapene ornata*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Texas Horned Lizard *Phrynosoma cornutum*

**(Linkage 90: Identified Species continued)**

- White-nosed Coati *Nasua narica*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

- Highway (I 10; US 191)
- Railroad
- Urbanization

**Hydrology:**

- Dial Wash
- East Whitetail Creek
- Gold Gulch
- Happy Camp Wash
- Sacaton Wash
- San Simon River
- Vanar Wash
- Wood Canyon Stream



## Linkage 91 Baboquivari - San Luis Mountains

Sky Island Ecoregion

County: Pima

ADOT Engineering District: Tucson

ADOT Maintenance: Three Points

ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District and Phoenix District

Congressional District: 7

Council of Government: Pima Association of Governments

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	11%
Semidesert Grassland	89%

**Land Ownership:**

National Wildlife Refuge Area (Buenos Aires)	27%
Private Land	13%
State Trust Land	60%

**Identified Species:**

- Arizona Mud Turtle *Kinosternon arizonense*
- Baird's Sparrow *Ammodramus bairdii*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Jaguar *Panthera onca*
- Javelina *Tayassu tajacu*
- Masked Bobwhite *Colinus virginianus ridgwayi*
- Mule Deer *Odocoileus hemionus*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Pronghorn *Antilocapra americana*

**(Linkage 91: Identified Species continued)**

- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Red Bat *Lasiurus blossevillei*
- Western Yellow Bat *Lasiurus xanthinus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**Threats:**

- Agriculture
- Border Security
- Highway (SR 286)
- Urbanization

**Hydrology:**

- Aros Wash
- Arroyo del Compartidero
- Asolido Wash
- Bailey Wash
- Chiltepines Wash
- Cuadro Wash
- La Osa Wash
- Las Moras Wash
- Legunita Wash
- Little Thomas Wash
- Los Encinos Wash
- Placeritos Wash
- Santa Margarita Wash
- Thomas Canyon Wash

## Linkage 92 San Xavier – Sierrita – Santa Rita

Sky Island Ecoregion  
Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson

ADOT Maintenance: Nogales, Three Points and Tucson South

ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 7 and 8

Council of Government: Pima Association of Governments

FHWA Engineering: A2

Legislative District: 25 and 30

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	23%
Semidesert Grassland	77%

**Land Ownership:**

Bureau of Land Management	2%
Private Land	48%
State Trust Land	50%

**Identified Species:**

- Black Bear *Ursus americanus*
- Cave Myotis *Myotis velifer*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Jaguar *Panthera onca*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*





## Linkage 93 Tumacacori – Santa Rita Sky Island Ecoregion

**(Linkage 92: continued)**

**Threats:**

- Border Security
- Canal (Central Arizona Project)
- Highway (I 19)
- Railroad
- Urbanization

**Hydrology:**

- Box Canyon Wash
- Demetrie Wash
- Esperanza Wash
- Santa Cruz River



**County:** Pima and Santa Cruz

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Nogales, Three Points and Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7 and 8

**Council of Government:** Pima Association of Governments and South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25 and 30

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	3%
Semidesert Grassland	97%

**Land Ownership:**

Private Land	69%
State Trust Land	31%

**Identified Species:**

- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Jaguar *Panthera onca*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Gray Hawk *Asturina nitida maxima*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Thick-billed Kingbird *Tyrannus crassirostris*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**(Linkage 93: Identified Species continued)**

White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Border Security
- Highway (US 19)
- Railroad
- Urbanization

**Hydrology:**

- Diablo Wash
- Josephine Canyon
- Santa Cruz River
- Tubac Creek



**Linkage 94**  
**Rincon – Whetstone – Santa Rita**  
 Sky Island Ecoregion

**County:** Cochise and Pima

**ADOT Engineering District:** Safford and Tucson

**ADOT Maintenance:** Nogales, St. David, Tucson North and Tucson South

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 8

**Council of Government:** Pima Association of Governments and South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25 and 30

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub	19.5%
Madrean Evergreen Woodland	2%
Semidesert Grassland	78.5%

**Land Ownership:**

Bureau of Land Management	3%
Private Land	29%
State Trust Land	68%

**Identified Species:**

- Black Bear *Ursus americanus*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Gila Chub *Gila intermedia*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mexican Long-tongued Bat *Choeronycteris mexicana*

**(Linkage 94: Identified Species continued)**

- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Northern Gray Hawk *Asturina nitida maxima*
- Ornate Box Turtle *Terrapene ornata*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Western Red Bat *Lasiurus blossevillii*
- Western Yellow-billed Cuckoo *Coccyzus americana occidentalis*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Border Security
- Highway (I 10; SR 83)
- Railroad
- Urbanization

**Hydrology:**

- Agua Verde Creek
- Apache Canyon Stream
- Ash Creek
- Cienega Creek
- Cumaro Wash
- Fortynine Wash
- Martinez Wash
- Mescal Arroyo
- Montosa Canyon Stream
- Pantano Wash

**Linkage 95**  
**Santa Rita – Empire Complex**  
 Sky Island Ecoregion

**County:** Pima and Santa Cruz

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Nogales

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 8

**Council of Government:** Pima Association of Governments and South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 30

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	44%
Plains & Great Basin Grassland	16%
Semidesert Grassland	40%

**Land Ownership:**

Bureau of Land Management	15%
Private Land	51%
State Trust Land	3%
USDA Forest Service (Coronado)	31%

**Identified Species:**

- Black Bear *Ursus americanus*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Jaguar *Panthera onca*
- Javelina *Tayassu tajacu*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Longfin Dace *Agosia chrysogaster*
- Northern Gray Hawk *Asturina nitida maxima*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Pronghorn *Antilocapra americana*



## Linkage 96 Patagonia – Santa Rita Sky Island Ecoregion

**(Linkage 95: Identified Species continued)**

- Western Black Kingsnake *Lampropeltis getula nigrita*
- Western Red Bat *Lasiurus blossevillii*
- White-tailed Deer *Odocoileus virginianus*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

- Border Security
- Highway (SR 83)
- Urbanization

**Hydrology:**

- Fortynine Wash
- Gardner Canyon Stream



**County:** Santa Cruz

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Nogales

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7 and 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25 and 30

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	10%
Semidesert Grassland	90%

**Land Ownership:**

Private Land	96%
State Trust Land	4%

**Identified Species:**

- Black-bellied Whistling Duck *Dendrocygna autumnalis*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- Cave Myotis *Myotis velifer*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Common Black Hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Longfin Dace *Agosia chrysogaster*
- Mexican Long-tongued Bat *Choeronycteris mexicana*

**(Linkage 96: Identified Species continued)**

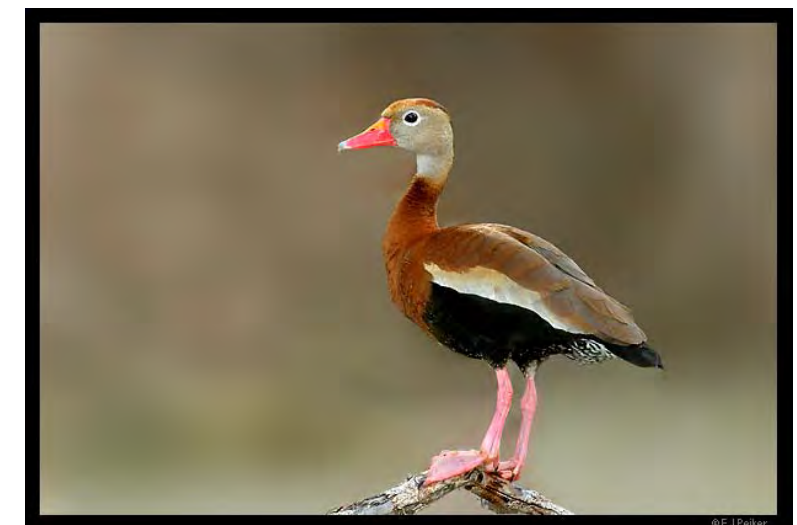
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mule Deer *Odocoileus hemionus*
- Northern Gray Hawk *Asturina nitida maxima*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Rose-throated Becard *Pachyramphus aglaiae*
- Speckled Dace *Rhinichthys osculus*
- Thick-billed Kingbird *Tyrannus crassirostris*
- Violet-crowned Hummingbird *Amazilia violiceps*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

- Border Security
- Highway (SR 82)
- Urbanization

**Hydrology:**

- Harshaw Creek
- Sonoita Creek



**Linkage 97**  
**Whetstone – San Pedro River**  
 Sky Island Ecoregion

County: Cochise

ADOT Engineering District: Safford  
 ADOT Maintenance: St. David  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 8

Council of Government: South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub	27%
Semidesert Grassland	73%

**Land Ownership:**

Private Land	29%
State Trust Land	71%

- Identified Species:**
- Arizona Ridge-nosed Rattlesnake *Crotalus willardi willardi*
  - Cave Myotis *Myotis velifer*
  - Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
  - Javelina *Tayassu tajacu*
  - Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*
  - Mexican Long-tongued Bat *Choeronycteris mexicana*
  - Mexican Spotted Owl *Strix occidentalis lucida*
  - Mountain Lion *Felis concolor*
  - Mule Deer *Odocoileus hemionus*
  - Northern Gray Hawk *Asturina nitida maxima*
  - Texas Horned Lizard *Phrynosoma cornutum*
  - Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

**(Linkage 97: Identified Species continued)**  
 White-tailed Deer *Odocoileus virginianus*

**Threats:**  
 Border Security  
 Highway (SR 90)  
 Railroad  
 Urbanization

**Hydrology:**  
 California Wash  
 Middle Canyon Wash



**Linkage 98**  
**Las Cienegas – Huachuca**  
 Sky Island Ecoregion

County: Cochise and Santa Cruz

ADOT Engineering District: Safford and Tucson  
 ADOT Maintenance: Nogales and St. David  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 8

Council of Government: Pima Association of Governments and South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 25 and 30

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland	7%
Plains & Great Basin Grassland	87%
Semidesert Grassland	6%

**Land Ownership:**

Bureau of Land Management	2%
Private Land	89.5%
State Trust Land	8.5%

- Identified Species:**
- Baird's Sparrow *Ammodramus bairdii*
  - Black Bear *Ursus americanus*
  - Cave Myotis *Myotis velifer*
  - Chiracahua Leopard Frog *Rana chiricahuensis*
  - Mexican Spotted Owl *Strix occidentalis lucida*
  - Mountain Lion *Felis concolor*
  - Mule Deer *Odocoileus hemionus*
  - Pronghorn *Antilocapra Americana*
  - Ridge-nosed Rattlesnake *Crotalus willardi willardi*
  - Sprague's Pipit *Anthus spragueii*
  - Western Red Bat *Lasiurus blossevillii*



## Linkage 99 Dragoon – San Pedro River Sky Island Ecoregion

**(Linkage 98: Identified Species continued)**

- White-nosed Coati *Nasua narica*
- White-tailed Deer *Odocoileus virginianus*

**Threats:**

- Agriculture
- Border Security
- Grazing
- Highway (SR 82)
- Urbanization

**Hydrology:**

- Babocomari River
- Blacktail Wash
- Mescal Creek
- Slaughterhouse Wash
- Turkey Creek



**County:** Cochise

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Douglas and St. David

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub	77%
Madrean Evergreen Woodland	4%
Semidesert Grassland	19%

**Land Ownership:**

Bureau of Land Management	7%
Private Land	19%
State Trust Land	74%

**Identified Species:**

- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Gray Hawk *Asturina nitida maxima*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Ornate Box Turtle *Terrapene ornata*
- Texas Horned Lizard *Phrynosoma cornutum*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*

**(Linkage 99: continued)**

**Threats:**

- Border Security
- Fences
- Highway (SR 80)
- Urbanization

**Hydrology:**

- Clifford Wash
- Haberstock Wash
- Walnut Gulch
- Willow Wash



**Linkage 100**  
**Fort Huachuca - San Pedro River**  
 Sky Island Ecoregion

County: Cochise

ADOT Engineering District: Safford  
 ADOT Maintenance: St. David  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 8

Council of Government: South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 25 and 30

**Biotic Communities (Vegetation Types):**  
 Semidesert Grassland 100%

**Land Ownership:**  
 Department of Defense (Fort Huachuca) 55%  
 Private Land 38%  
 State Trust Land 7%

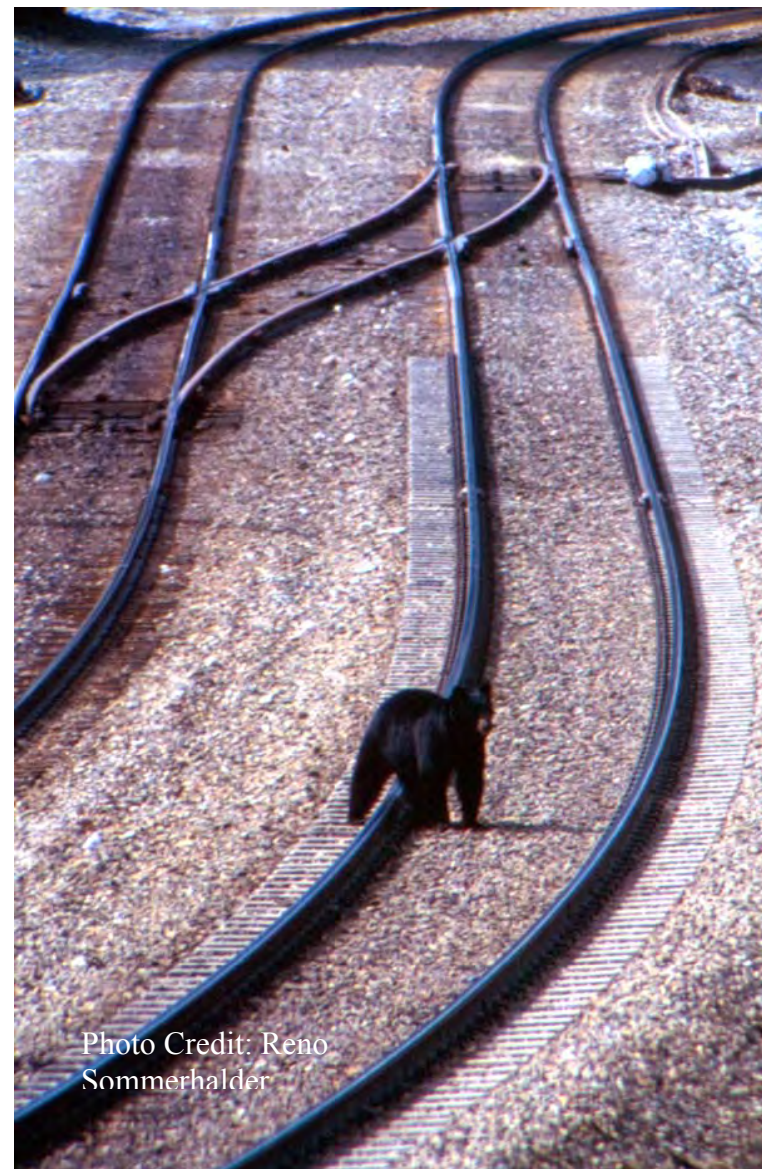
**Identified Species:**  
 Black Bear *Ursus americanus*  
 Cave Myotis *Myotis velifer*  
 Javelina *Tayassu tajacu*  
 Mountain Lion *Felis concolor*  
 Ornate Box Turtle *Terrapene ornata*  
 White-nosed Coati *Nasua narica*  
 White-tailed Deer *Odocoileus virginianus*  
 Wild Turkey *Meleagris gallopavo*

**Threats:**  
 Border Security  
 Highway (SR 90)  
 Military Usage

(Linkage 100: Threats continued)

Railroad  
 Urbanization

**Hydrology:**  
 Soldier Creek



**Linkage 101**  
**Chiricahuas - Peloncillos**  
 Sky Island Ecoregion

County: Cochise

ADOT Engineering District: Safford  
 ADOT Maintenance: Douglas  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 8

Council of Government: South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**  
 Chihuahuan Desertscrub 12%  
 Madrean Evergreen Woodland 3%  
 Semidesert Grassland 85%

**Land Ownership:**  
 Private Land 35%  
 State Trust Land 65%

**Identified Species:**  
 Baird's Sparrow *Ammodramus bairdii*  
 Black Bear *Ursus americanus*  
 Cave Myotis *Myotis velifer*  
 Chiricahua Leopard Frog *Rana chiricahuensis*  
 Desert Massasauga *Sistrurus catenatus edwardsii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Jaguar *Panthera onca*  
 Mexican Long-tongued Bat *Choeronycteris mexicana*  
 Mountain Lion *Felis concolor*  
 Ornate Box Turtle *Terrapene ornata*  
 Texas Horned Lizard *Phrynosoma cornutum*  
 White-nosed Coati *Nasua narica*



## Linkage 102

### Western International Border

Sky Island Ecoregion  
Sonoran Desert Ecoregion

#### (Linkage 101: continued)

##### Threats:

Agriculture  
Border Security  
Highway (SR 80)  
Railroad  
Urbanization

##### Hydrology:

Black Draw  
Buck Creek  
Cottonwood Creek  
Danger Wash  
Hackberry Wash  
Hay Hollow Wash  
Indian Creek  
Mulberry Draw  
Silver Creek  
Sycamore Creek  
Wildcat Wash



County: Pima, Santa Cruz and Yuma

ADOT Engineering District: Tucson and Yuma

ADOT Maintenance: Three Points and Yuma

ADOT Natural Resources Management Section: Phoenix and Tucson

AGFD: Region IV and Region V

BLM: Colorado River District, Gila District and Phoenix District

Congressional District: 7

Council of Government: Pima Association of Governments and Yuma Metropolitan Planning Organization

FHWA Engineering: A2 and A3

Legislative District: 24 and 25

##### Biotic Communities (Vegetation Types):

AZ Upland Sonoran Desertscrub  
Lower Colorado River Sonoran Desertscrub  
Semidesert Grassland

\*Note: Linkage extends into Mexico

##### Land Ownership:

Bureau of Land Management  
National Parks  
Tribal Land (Tohono O'dham)  
State Trust Land

\*Note: Linkage extends into Mexico

##### Identified Species:

Arizona Chuckwalla *Sauromalus ater*  
Arizona Mud Turtle *Kinosternon arizonense*  
Banded Gila Monster *Heloderma suspectum cinctum*  
Bighorn Sheep *Ovis canadensis*  
California Leaf-nosed Bat *Macrotus californicus*  
Cave Myotis *Myotis velifer*

#### (Linkage 102: Identified Species continued)

Desert Rosy Boa *Charina trivirgata gracia*  
Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
Greater Western Mastiff Bat *Eumops perotis californicus*  
Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
Javelina *Tayassu tajacu*  
Kit Fox *Vulpes macrotis*  
Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
Long-legged Myotis *Myotis volans*  
Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
Massasauga *Sistrurus catenatus*  
Mexican Rosy Boa *Charina trivirgata trivirgata*  
Mountain Lion *Felis concolor*  
Mule Deer *Odocoileus hemionus*  
Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
Ridge-nosed Rattlesnake *Crotalus willardi obscurus*  
Red-back Whiptail *Aspidoscelis burti xanthonota*  
Sonoran Desert Tortoise *Gopherus agassizii*  
Sonoran Pronghorn *Antilocapra americana sonoriensis*  
Underwood's Bonneted Bat *Eumops underwoodi*  
Western Burrowing Owl *Athene cunicularia hypugaea*  
Yuma Myotis *Myotis yumanensis*

##### Threats:

Border Security  
Burros  
Fencing/Grazing  
Highway (SR 85; Mexico Highway 2)  
Military Usage  
Urbanization

##### Hydrology:

Aguajita Wash  
Chukut Kuk Wash  
La Jolla Wash  
San Simon Wash  
Vamori Wash



**Linkage 103**  
**Altar Valley – Mexico**  
 Sky Island Ecoregion

**County:** Pima

**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Three Points  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District and Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**  
 Madrean Evergreen Woodland  
 Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**  
 National Wildlife Refuge Area (Buenos Aires)  
 Private Land  
 State Trust Land

\*Note: Linkage extends into Mexico

**Identified Species:**  
 Arizona Mud Turtle *Kinosternon arizonense*  
 Baird's Sparrow *Ammodramus bairdii*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Giant Spotted Whiptail *Aspidoscelis burti strictogrammus*  
 Gila Topminnow *Poeciliopsis occidentalis occidentalis*  
 Jaguar *Panthera onca*  
 Javelina *Tayassu tajacu*

**(Linkage 103: Identified Species continued)**

Lowland Leopard Frog *Rana yavapaiensis*  
 Masked Bobwhite *Colinus virginianus ridgwayi*  
 Mule Deer *Odocoileus hemionus*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Red Bat *Lasiurus blossevillii*  
 Western Yellow Bat *Lasiurus xanthinus*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**  
 Agriculture  
 Border Security  
 Highway (SR 286)  
 Urbanization

**Hydrology:**  
 Arroyo del Sasabe  
 La Osa Wash



**Linkage 104**  
**Tumacacori – Mexico**  
 Sky Island Ecoregion

**County:** Pima and Santa Cruz

**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Nogales and Three Points  
**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7

**Council of Government:** South Eastern Arizona Governments Organization and Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**  
 Madrean Evergreen Woodland  
 Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**  
 Private Land

\*Note: Linkage extends into Mexico

**Identified Species:**  
 Baird's Sparrow *Ammodramus bairdii*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Elegant Trogon *Trogon elegans*  
 Giant Spotted Whiptail *Aspidoscelis burti strictogrammus*  
 Gila Topminnow *Poeciliopsis occidentalis occidentalis*  
 Jaguar *Panthera onca*  
 Javelina *Tayassu tajacu*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Longfin Dace *Agosia chrysogaster*





## Linkage 105 Santa Cruz – Mexico Sky Island Ecoregion

**(Linkage 104: Identified Species continued)**

- Mexican Long-tongued Bat *Choeronycteris mexicana*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Gray Hawk *Asturina nitida maxima*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Thick-billed Kingbird *Tyrannus crassirostris*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

- Border Security
- Urbanization

**Hydrology:**

- Canoa Wash
- Cantina Wash
- Fresnal Wash
- Potrero Creek
- Sycamore Canyon
- Tres Bellotas Canyon



**County:** Santa Cruz

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Nogales

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

- Madrean Evergreen Woodland
- Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**

Private Land

\*Note: Linkage extends into Mexico

**Identified Species:**

- Black-bellied Whistling Duck *Dendrocygna autumnalis*
- Giant Spotted Whiptail *Aspidoscelis burti strictogrammus*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Jaguar *Panthera onca*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Northern Gray Hawk *Asturina nitida maxima*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 105: Identified Species continued)**

- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-tailed Deer *Odocoileus virginianus*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

- Border Security
- De-watering of the River
- Urbanization

**Hydrology:**

Santa Cruz River



**Linkage 106**  
**Patagonia/Huachuca – Mexico**  
 Sky Island Ecoregion

**County:** Cochise and Santa Cruz

**ADOT Engineering District:** Safford and Tucson

**ADOT Maintenance:** Douglas and Nogales

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 7 and 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Madrean Evergreen Woodland  
 Plains & Great Plains Grassland  
 Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**

Private Land  
 USDA Forest Service (Coronado)

\*Note: Linkage extends into Mexico

**Identified Species:**

Arizona Ridge-nosed Rattlesnake *Crotalus willardi willardi*  
 Baird's Sparrow *Ammodramus bairdii*  
 Chiracahua Leopard Frog *Rana chiricahuensis*  
 Desert Massasauga *Sistrurus catenatus edwardsii*  
 Jaguar *Panthera onca*  
 Javelina *Tayassu tajacu*  
 Longfin Dace *Agosia chrysogaster*  
 Mexican Spotted Owl *Strix occidentalis lucida*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*

**(Linkage 106: Identified Species continued)**

Northern Buff-breasted Flycatcher *Empidonax fulvifrons pygmaeus*

Northern Gray Hawk *Asturina nitida maxima*

Northern Mexican Gartersnake *Thamnophis eques megalops*

Ridge-nosed Rattlesnake *Crotalus willardi willardi*

Texas Horned Lizard *Phrynosoma cornutum*

Violet-crowned Hummingbird *Amazilia violiceps*

Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

White-tailed Deer *Odocoileus virginianus*

Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

Border Security  
 Urbanization

**Hydrology:**

Bear Creek  
 Joaquin Creek  
 Santa Cruz River



**Linkage 107**  
**San Pedro River – Mexico**  
 Sky Island Ecoregion

**County:** Cochise

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Douglas

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 8

**Council of Government:** South Eastern Arizona Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**

Bureau of Land Management  
 Private Land

\*Note: Linkage extends into Mexico

**Identified Species:**

Arizona Ridge-nosed Rattlesnake *Crotalus willardi willardi*  
 Baird's Sparrow *Ammodramus bairdii*  
 Bobcat *Lynx rufus*  
 Black-bellied Whistling Duck *Dendrocygna autumnalis*  
 Cave Myotis *Myotis velifer*  
 Chiracahua Leopard Frog *Rana chiricahuensis*  
 Desert Sucker *Catostomus clarki*  
 Jaguar *Panthera onca*  
 Longfin Dace *Agosia chrysogaster*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mountain Lion *Felis concolor*  
 Northern Gray Hawk *Asturina nitida maxima*



**Linkage 108**  
**San Bernadino - Mexico**  
 Sky Island Ecoregion

**(Linkage 107: Identified Species continued)**

Northern Mexican Gartersnake *Thamnophis eques megalops*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 White-tailed Deer *Odocoileus virginianus*  
 Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

**Threats:**

Border Security  
 Highway (SR 92)  
 Urbanization

**Hydrology:**

San Pedro River



**County:** Cochise

**ADOT Engineering District:** Safford

**ADOT Maintenance:** Douglas

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region V

**BLM:** Gila District

**Congressional District:** 8

**Council of Government:** South Eastern Governments Organization

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Chihuahuan Desertscrub

\*Note: Linkage extends into Mexico

**Land Ownership:**

Bureau of Land Management  
 National Wildlife Refuge (San Bernadino)  
 Private Land  
 State Trust Land

\*Note: Linkage extends into Mexico

**Identified Species:**

Baird's Sparrow *Ammodramus bairdii*  
 Bobcat *Lynx rufus*  
 Black Bear *Ursus americanus*  
 Cave Myotis *Myotis velifer*  
 Chiricahua Leopard Frog *Rana chiricahuensis*  
 Desert Massasauga *Sistrurus catenatus edwardsii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Jaguar *Panthera onca*  
 Mexican Long-tongued Bat *Choeronycteris mexicana*  
 Mountain Lion *Felis concolor*

**(Linkage 108: Identified Species continued)**

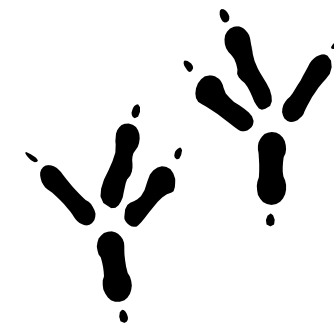
Texas Horned Lizard *Phrynosoma cornutum*  
 White-nosed Coati *Nasua narica*

**Threats:**

Agriculture  
 Border Security  
 Urbanization

**Hydrology:**

Black Draw  
 Hay Hollow Wash  
 Silver Creek



**Linkage 109**  
**Peloncillo – Mexico**  
 Sky Island Ecoregion

County: Cochise

ADOT Engineering District: Safford  
 ADOT Maintenance: Douglas  
 ADOT Natural Resources Management Section: Tucson

AGFD: Region V

BLM: Gila District

Congressional District: 8

Council of Government: South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**

- Chihuahuan Desertscrub
- Madrean Evergreen Woodland
- Semidesert Grassland

\*Note: Linkage extends into Mexico

**Land Ownership:**

- Bureau of Land Management
- Private Land
- State Land

\*Note: Linkage extends into Mexico

**Identified Species:**

- Baird's Sparrow *Ammodramus bairdii*
- Black Bear *Ursus americanus*
- Cave Myotis *Myotis velifer*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Desert Massasauga *Sistrurus catenatus edwardsii*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Jaguar *Panthera onca*
- Mexican Long-tongued Bat *Choeronycteris mexicana*
- Mountain Lion *Felis concolor*

**(Linkage 109: Identified Species continued)**

- Texas Horned Lizard *Phrynosoma cornutum*
- White-nosed Coati *Nasua narica*

**Threats:**

- Agriculture
- Border Security
- Urbanization

**Hydrology:**

- Guadalupe Canyon



**Linkage 110**  
**Beaver Dam Slope East – West**  
 Mohave Desert Ecoregion

County: Mohave

ADOT Engineering District: Flagstaff  
 ADOT Maintenance: Fredonia  
 ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II

BLM: Arizona Strip District

Congressional District: 2

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 3

**Biotic Communities (Vegetation Types):**

- Mohave Desertscrub 82%

\*Note: Linkage extends into Utah

**Land Ownership:**

- Bureau of Land Management 66%
- State Trust Land 16%

\*Note: Linkage extends into Utah

**Identified Species:**

- Allen's Big-eared Bat *Idionycteris phyllotis*
- American Peregrine Falcon *Falco pergrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Bobcat *Lynx rufus*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Common Black-hawk *Buteogallus anthracinus*
- Hoary Bat *Lasiurus cinereus*
- Kit Fox *Vulpes macrotis*
- Lowland Leopard Frog *Rana yavapaiensis*
- Maricopa Tiger Beetle *Cicindela oregona maricopa*
- Mohave Desert Tortoise *Gopherus agassizii*



## Linkage 111

### Mohave Mountains – Castaneda Hills

Mohave Desert Ecoregion

**(Linkage 110: Identified Species continued)**

Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Spotted Bat *Euderma maculatum*

**Threats:**

County Road  
 Livestock  
 Recreation  
 Urbanization

**Hydrology:**

Beaver Dam Wash  
 Castle Cliff Wash



**County:** Mohave

**ADOT Engineering District:** Kingman  
**ADOT Maintenance:** Needle Mountain  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III

**BLM:** Colorado River District

**Congressional District:** 2

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	93%
Mohave Desertscrub	7%

**Land Ownership:**

Bureau of Land Management	99%
Private Land	1%

**Identified Species:**

American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 California Leaf-Nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Fringed Myotis *Myotis thysanodes*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Kit Fox *Vulpes macrotis*  
 Long-legged Myotis *Myotis volans*  
 Mohave Desert Tortoise *Gopherus agassizii*

**(Linkage 111: Identified Species continued)**

Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Recreation  
 Urbanization

**Hydrology:**

Crozier Wash  
 Middle Mohave Wash  
 Mohave Wash  
 Standard Wash



**Linkage 112**  
**Gibraltar Mountain – Cactus Plain**  
 Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma  
 ADOT Maintenance: Quartzsite  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 100%

**Identified Species:**  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bald Eagle *Haliaeetus leucocephalus*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mojave Fringe-toed Lizard *Uma scoparia*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Southwest Willow Flycatcher *Empidonax traillii extimus*  
 Yuma Myotis *Myotis yumanensis*

(Linkage 112: continued)

**Threats:**  
 Burros  
 Central Arizona Project Canal  
 Recreation  
 Road (Osborne Well Road)

**Hydrology:**  
 Osborne Wash



**Linkage 113**  
**Poachie Range – Black Mountains**  
 Sonoran Desert Ecoregion

County: Yavapai

ADOT Engineering District: Kingman  
 ADOT Maintenance: Wikieup  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region III and Region IV

BLM: Colorado River District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 4

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 95%  
 Private Land 1%  
 State Trust Land 4%

**Identified Species:**  
 American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Arizona Myotis *Myotis occultus*  
 Arizona Night Lizard *Xantusia arizonae*  
 Arizona Toad *Bufo microscaphus*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bobcat *Lynx rufus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Common Black-hawk *Buteogallus anthracinus*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Fringed Myotis *Myotis thysanodes*



## Linkage 114 Harcuvar Mountains – Black Mountains Sonoran Desert Ecoregion

**(Linkage 113: Identified Species continued)**

Gambel's Quail *Callipepla gambelii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Longfin Dace *Agosia chrysogaster*  
 Long-legged Myotis *Myotis volans*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Ringtail *Bassariscus astutus*  
 Riparian Obligates  
 Roundtail Chub *Gila robusta*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonora Sucker *Catostomus insignis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Small-footed Bat *Myotis ciliolabrum*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*  
 Zone-tailed Hawk *Buteo albonotatus*

**Threats:**

Recreation  
 Urbanization

**Hydrology:**

Peoples Creek  
 Santa Maria River

County: Yavapai

**ADOT Engineering District:** Prescott and Kingman  
**ADOT Maintenance:** Wickenburg and Wikieup  
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region IV

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 4

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	7%
Mohave Desertscrub	93%

**Land Ownership:**

Bureau of Land Management	85%
Private Land	6%
State Trust Land	9%

**Identified Species:**

American Peregrine Falcon *Falco peregrinus anatum*  
 Arizona Chuckwalla *Sauromalus ater*  
 Arizona Myotis *Myotis occultus*  
 Arizona Night Lizard *Xantusia arizonae*  
 Arizona Toad *Bufo microscaphus*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bobcat *Lynx rufus*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Common Black-hawk *Buteogallus anthracinus*  
 Desert Rosy Boa *Charina trivirgata gracia*

**(Linkage 114: Identified Species continued)**

Fringed Myotis *Myotis thysanodes*  
 Gambel's Quail *Callipepla gambelii*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Longfin Dace *Agosia chrysogaster*  
 Long-legged Myotis *Myotis volans*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Mohave Desert Tortoise *Gopherus agassizii*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Ringtail *Bassariscus astutus*  
 Riparian Obligates  
 Roundtail Chub *Gila robusta*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonora Sucker *Catostomus insignis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Speckled Rattlesnake *Crotalus mitchellii*  
 Swainson's Hawk *Buteo swainsoni*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Small-footed Bat *Myotis ciliolabrum*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*  
 Zone-tailed Hawk *Buteo albonotatus*

**Threats:**

Recreation  
 Roads (Alamo Road; Palmerito Ranch Road)  
 Urbanization

**Hydrology:**

Bullard Wash  
 Date Creek  
 Miller Wash



**Linkage 115**  
**Cunningham Pass**  
 Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Prescott  
 ADOT Maintenance: Wickenburg  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 2 and 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 98%  
 Lower Colorado River Sonoran Desertscrub 2%

**Land Ownership:**  
 Bureau of Land Management 89%  
 Private Land 11%

**Identified Species:**  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Lowland Leopard Frog *Rana yavapaiensis*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

**(Linkage 115: Identified Species continued)**

**Threats:**  
 Powerline Corridor  
 Recreation  
 Roads (Alamo Road)  
 Urbanization

**Hydrology:**  
 None identified



**Linkage 116**  
**North – South Plumosa Mountains**  
 Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Yuma  
 ADOT Maintenance: Quartzsite  
 ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 3

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 100%

**Identified Species:**  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mojave Fringe-toed Lizard *Uma scoparia*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*





## Linkage 117

### South Trigo Peaks – Trigo Mountains

Sonoran Desert Ecoregion

**(Linkage 116: continued)**

**Threats:**

- Recreation
- Road (Plumosa Road)
- Urbanization

**Hydrology:**

None identified



**County:** La Paz

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Yuma Test Range) 98%  
 State Trust Land 2%

**Identified Species:**

- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**(Linkage 117: continued)**

**Threats:**

- Military Usage
- Recreation
- Roads (Cibola East Road)
- Urbanization

**Hydrology:**

Mohave Wash



**Linkage 118**  
**Indian Well – Livingston Hills**  
 Sonoran Desert Ecoregion

**County:** La Paz

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	20%
Lower Colorado River Sonoran Desertscrub	80%

**Land Ownership:**

National Wildlife Refuge (Kofa)	95%
Private Land	5%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*

**(Linkage 118: Identified Species continued)**

Yuma Myotis *Myotis yumanensis*

**Threats:**

- Recreation
- Roads (Pipeline Road)

**Hydrology:**

- Cave Creek
- French Creek



**Linkage 119**  
**Livingston Hills – Kofa Mountains**  
 Sonoran Desert Ecoregion

**County:** La Paz and Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	46%
Lower Colorado River Sonoran Desertscrub	54%

**Land Ownership:**

National Wildlife Refuge (Kofa)	100%
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**Identified Species:**

- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*



**Linkage 120**  
**Eagletail Mountains – Clanton Hills – Little Horn Mountains**  
 Sonoran Desert Ecoregion

**(Linkage 119: continued)**

**Threats:**

- Off Road Usage
- Recreation
- Roads

**Hydrology:**

French Creek



**County:** La Paz, Maricopa and Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend and Quartzsite

**ADOT Natural Resources Management Section:** Phoenix and Prescott

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments, Western Arizona Council of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24 and 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	27%
Lower Colorado River Sonoran Desertscrub	73%

**Land Ownership:**

Bureau of Land Management	96%
Private Land	4%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*

**(Linkage 120: Identified Species continued)**

- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Off Road Usage
- Recreation
- Roads (Palomas Harquahala Road)

**Hydrology:**

Deadman Wash



## Linkage 121 Harquahala Mountains – Little Harquahala Mountains

Sonoran Desert Ecoregion

County: La Paz

ADOT Engineering District: Prescott

ADOT Maintenance: Wickenburg

ADOT Natural Resources Management Section: Prescott

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 24

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	51%
Lower Colorado River Sonoran Desertscrub	49%

**Land Ownership:**

Bureau of Land Management	85%
Private Land	11%
State Trust Land	4%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Lowland Leopard Frog *Rana yavapaiensis*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

**(Linkage 121: Identified Species continued)**

- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Off Road Usage
- Recreation
- Roads (Salome Road, Sorefinger Road)
- Urbanization

**Hydrology:**

- Centennial Wash



## Linkage 122 Harquahala Mountains – Belmont Mountains – Big Horn Mountains

Sonoran Desert Ecoregion

County: Maricopa

ADOT Engineering District: Prescott and Yuma

ADOT Maintenance: Gila Bend and Wickenburg

ADOT Natural Resources Management Section: Prescott

AGFD: Region 4

BLM: Phoenix District

Congressional District: 2

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3 and A4

Legislative District: 4 and 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	78%
Lower Colorado River Sonoran Desertscrub	22%

**Land Ownership:**

Bureau of Land Management	99%
State Trust Land	1%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*



## Linkage 123

### Mohave Peak – Chocolate Mountains

Sonoran Desert Ecoregion

**(Linkage 122: Identified Species continued)**

Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Off Road Usage  
 Recreation  
 Roads  
 Urbanization

**Hydrology:**

Tiger Wash



**County:** La Paz

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Quartzsite

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Yuma Test Range) 100%

**Identified Species:**

Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Military Usage

**(Linkage 123: Threats continued)**

Off Road Usage

**Hydrology:**

McAllister Wash



**Linkage 124**  
**Kofa Mountains – Castle Dome**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma  
 ADOT Maintenance: Quartzsite  
 ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**  
 AZ Upland Sonoran Desertscrub 65%  
 Lower Colorado River Sonoran Desertscrub 35%

**Land Ownership:**  
 National Wildlife Refuge (Kofa) 100%

**Identified Species:**  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Myotis *Myotis yumanensis*

(Linkage 124: continued)

**Threats:**  
 Off Road Usage  
 Recreation  
 Roads

**Hydrology:**  
 None identified



**Linkage 125**  
**Tank Mountains – Palomas Mountains**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma  
 ADOT Maintenance: Yuma  
 ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Bureau of Land Management 51.5%  
 Department of Defense (Yuma Test Range) 45%  
 State Trust Land 3.5%

**Identified Species:**  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Flat-tailed Horned Lizard *Phrynosoma mcallii*  
 Great Egret *Ardea alba*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Least Bittern *Ixobrychus exilis*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*



## Linkage 126

### Bunyan Peak – Painted Rock Mountains

Sky Island Ecoregion

**(Linkage 125: Identified Species continued)**

Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Snowy Egret *Egretta thula*  
 Spotted Bat *Euderma maculatum*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 White-faced Ibis *Plegadis chihi*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

Military Usage  
 Off Road Usage  
 Recreation  
 Roads (Old Palomas – Yuma Road)

**Hydrology:**

None identified



**County:** Maricopa

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	43%
Lower Colorado River Desertscrub	57%

**Land Ownership:**

Bureau of Land Management	98%
State Wildlife Area (Painted Rock)	2%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Flat-tailed Horned Lizard *Phrynosoma mcallii*  
 Great Egret *Ardea alba*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Least Bittern *Ixobrychus exilis*  
 Long-legged Myotis *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*

**(Linkage 125: Identified Species continued)**

Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Southwestern Willow Flycatcher *Empidonax traillii extimus*  
 Snowy Egret *Egretta thula*  
 Spotted Bat *Euderma maculatum*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
 White-faced Ibis *Plegadis chihi*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

Off Road Usage  
 Recreation  
 Roads

**Hydrology:**

Gila River  
 Painted Rock Reservoir



**Linkage 127**  
**Margies Peak – Sheep Mountain**  
 Sonoran Desert Ecoregion

County: Maricopa

ADOT Engineering District: Yuma

ADOT Maintenance: Gila Bend

ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV and Region VI

BLM: Phoenix District

Congressional District: 7

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3

Legislative District: 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	56%
Lower Colorado River Sonoran Desertscrub	44%

**Land Ownership:**

Bureau of Land Management	100%
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**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

**(Linkage 127: Identified Species continued)**

- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Off Road Usage
- Recreation
- Roads

**Hydrology:**

None identified



**Linkage 128**  
**North Maricopa – South Maricopa Mountains**  
 Sonoran Desert Ecoregion

County: Maricopa

ADOT Engineering District: Tucson and Yuma

ADOT Maintenance: Casa Grande and Gila Bend

ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Phoenix District

Congressional District: 7

Council of Government: Maricopa Association of Governments

FHWA Engineering: A2 and A3

Legislative District: 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	54%
Lower Colorado River Sonoran Desertscrub	46%

**Land Ownership:**

Bureau of Land Management	100%
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**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallascens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*





## Linkage 129 Southern Colorado River Sonoran Desert Ecoregion

**(Linkage 128: Identified Species continued)**

Sonoran Desert Tortoise *Gopherus agassizii*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Off Road Usage  
 Railroad  
 Roads (SR 238)  
 Urbanization

**Hydrology:**

None identified



**County:** Yuma

**ADOT Engineering District:** Yuma  
**ADOT Maintenance:** Yuma  
**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 53%

\*Note: Linkage extends into California

**Land Ownership:**

Bureau of Land Management	13%
National Wildlife Refuge (Imperial Mountain)	4%
Private Land	25%
State Trust Land	7%
Tribal Land (Cocopah; Fort Yuma)	5%

\*Note: Linkage extends into California

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotus*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Great Egret *Ardea alba*  
 Greater Western Mastiff Bat *Eumops perotis californicus*

**(Linkage 129: Identified Species continued)**

Long-legged Bat *Myotis volans*  
 Mountain Lion *Felis concolor*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Pronghorn *Antilocapra americana*  
 Snowy Egret *Egretta thula*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Spotted Bat *Euderma maculatum*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Western Yellow-billed Cuckoo *Coccyzus americanus Occidentalis*  
 Yuma Clapper Rail *Rallus longirostris yumanensis*  
 Yuma Myotis *Myotis yumanensis*  
 Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

Border Security  
 Canal (All American Canal; East Main Canal; Main Canal; Main Outlet Drain; North Drain; North Gila Main Canal; Thacker Lateral; West Main Canal)  
 Highways and Roads (California County Road S24; Fishers Landing Road; I 8; Laguna Dam Road; Red Cloud Mine Road)  
 Military Usage  
 Off Road Usage  
 Railroad  
 Recreation  
 Urbanization

**Hydrology:**

All American Canal  
 Araz Wash  
 Colorado River  
 East Main Canal  
 Ferguson Wash  
 Gila River  
 Indian Wash  
 Los Angeles Wash  
 Main Canal  
 Main Outlet Drain

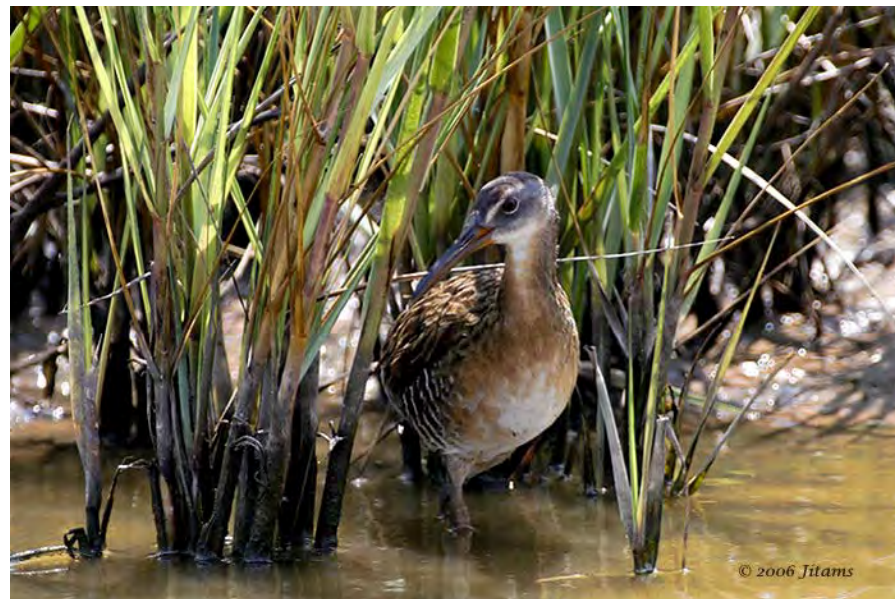


## Linkage 130 Chocolate Mountains – Trigo Mountains – Laguna Mountains

Sonoran Desert Ecoregion

**(Linkage 129: Hydrology continued)**

- McAllister Wash
- North Drain
- North Gila Main Canal
- Thacker Lateral
- West Main Canal



**County:** La Paz and Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**  
Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management	20%
Department of Defense (Yuma Test Range)	43%
National Wildlife Refuge (Imperial Mountain)	18%
Private Land	2%
State Trust Land	12%

\*Note: Linkage extends into California

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Great Egret *Ardea alba*

**(Linkage 130: Identified Species continued)**

- Greater Western Mastiff Bat *Eumops perotis californicus*
- Long-legged Bat *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Pronghorn *Antilocapra americana*
- Snowy Egret *Egretta thula*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Spotted Bat *Euderma maculatum*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*
- Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

- Border Security
- Canals
- Military Usage
- Off Road Usage
- Recreation
- Roads (Fishers Landing Road; Imperial Dam Road; Red Cloud Mine Road)
- Urbanization

**Hydrology:**

- Colorado River
- Indian Wash
- Los Angeles Wash
- McAllister Wash
- Yuma Wash



**Linkage 131**

**Castle Dome Mountains – Red Bluff Mountains  
– Muggins Mountains**

Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma

ADOT Maintenance: Yuma

ADOT Natural Resources Management Section: Phoenix

AGFD: Region 4

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Yuma Test Range) 88%  
National Wildlife Refuge (Kofa) 11%  
Private Land 1%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Flat-tailed Horned Lizard *Phrynosoma mcallii*
- Great Egret *Ardea alba*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Least Bittern *Ixobrychus exilis*

**(Linkage 131: Identified Species continued)**

- Long-legged Myotis *Myotis volans*
- Mountain Lion *Felis concolor*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Snowy Egret *Egretta thula*
- Spotted Bat *Euderma maculatum*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-faced Ibis *Plegadis chihi*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*
- Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

**Threats:**

- Border Security
- Military Usage
- Off Road Usage
- Roads (Down Range Road; 90° Road; North Boundary Road)
- Urbanization

**Hydrology:**

- Big Eye Wash



Photo © 2005 Tom Brennan

**Linkage 132**

**Tinajas Altas Mountains – Cabeza Prieta Mountains**

Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma

ADOT Maintenance: Yuma

ADOT Natural Resources Management Section: Phoenix

AGFD: Region 4

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense 54%  
(Barry Goldwater Air Force Range)  
National Wildlife Refuge 46%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*



## Linkage 133

### Copper Mountains – Cabeza Prieta Mountains

Sonoran Desert Ecoregion

**(Linkage 132: Identified Species continued)**

Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage  
 Roads (El Camino del Diablo)

**Hydrology:**

Coyote Wash  
 La Jolla Wash

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Barry Goldwater Air Force Range) 73%  
 National Wildlife Refuge (Cabeza Prieta) 27%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*

**(Linkage 133: Identified Species continued)**

Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage

**Hydrology:**

Coyote Wash



Photo by Ron Horloff



**Linkage 134**  
**Cabeza Prieta Mountains – Tule Mountains**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma

ADOT Maintenance: Yuma

ADOT Natural Resources Management Section: Phoenix

AGFD: Region 4

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta) 100%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*

**(Linkage 134: Identified Species continued)**

- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Off Road Usage
- Recreation
- Roads (El Camino del Diablo)

**Hydrology:**

None identified



**Linkage 135**  
**Sierra Pinta – Cabeza Prieta Mountains**  
 Sonoran Desert Ecoregion

County: Yuma

ADOT Engineering District: Yuma

ADOT Maintenance: Yuma

ADOT Natural Resources Management Section: Phoenix

AGFD: Region 4

BLM: Colorado River District

Congressional District: 7

Council of Government: Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta) 100%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*



## Linkage 136 Mohawk Mountains/Bryan Mountains – North Sierra Pinta

Sonoran Desert Ecoregion

**(Linkage 135: Identified Species continued)**

- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Off Road Usage
- Recreation
- Roads (Christmas Pass Road)

**Hydrology:**

Mohawk Wash



Photo by Robert Suplee

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Barry Goldwater Air Force Range) 1%  
National Wildlife Refuge (Cabeza Prieta) 99%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*

**(Linkage 136: Identified Species continued)**

- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Military Usage
- Off Road Usage
- Recreation

**Hydrology:**

None identified



**Linkage 137**  
**South Sierra Pinta – Papago Well**  
 Sky Island Ecoregion

**County:** Pima and Yuma

**ADOT Engineering District:** Tucson and Yuma

**ADOT Maintenance:** Three Points and Yuma

**ADOT Natural Resources Management Section:** Phoenix and Tucson

**AGFD:** Region 4

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments and Yuma metropolitan Planning Organization

**FHWA Engineering:** A2 and A3

**Legislative District:** 24 and 25

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 National Wildlife Refuge (Cabeza Prieta)

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*

**(Linkage 137: Identified Species continued)**

- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Off Road Usage
- Recreation
- Roads (El Camino del Diablo)

**Hydrology:**

- Papago Wash



**Linkage 138**  
**Northern Mohawk Mountains**  
 Sonoran Desert Ecoregion

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**  
 Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**  
 Department of Defense  
 (Barry Goldwater Air Force Range) 100%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*



## Linkage 139 Mohawk Mountains – Bryan Mountains Sonoran Desert Ecoregion

**(Linkage 138: Identified Species continued)**

Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage  
 Recreation

**Hydrology:**

None identified



Photo by Brian Kenney

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta) 100%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*

**(Linkage 139: Identified Species continued)**

Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Off Road Usage  
 Recreation  
 Roads

**Hydrology:**

None identified





## Linkage 140 Bryan Mountains – Antelope Hills Sonoran Desert Ecoregion

**County:** Pima and Yuma

**ADOT Engineering District:** Tucson and Yuma

**ADOT Maintenance:** Three Points and Yuma

**ADOT Natural Resources Management Section:** Tucson and Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A2 and A3

**Legislative District:** 24 and 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub	100%
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**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta)	100%
--	------

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*

**(Linkage 140: Identified Species continued)**

- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Off Road Usage
- Recreation

**Hydrology:**

None identified



## Linkage 141 Granite Mountains – Mohawk Mountains/Bryan Mountains Sonoran Desert Ecoregion

**County:** Pima and Yuma

**ADOT Engineering District:** Tucson and Yuma

**ADOT Maintenance:** Three Points and Yuma

**ADOT Natural Resources Management Section:** Phoenix and Tucson

**AGFD:** Region 4

**BLM:** Colorado River District and Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments and Yuma Metropolitan Planning Organization

**FHWA Engineering:** A2 and A3

**Legislative District:** 24 and 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub	100%
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**Land Ownership:**

Department of Defense (Barry Goldwater Air Force Range)	31%
National Wildlife Refuge (Cabeza Prieta)	69%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*



## Linkage 142 Granite Mountains – Antelope Hills Sonoran Desert Ecoregion

**(Linkage 141: Identified Species continued)**

Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage  
 Recreation

**Hydrology:**

San Cristobal Wash



**County:** Pima

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Three Points

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta) 100%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*

**(Linkage 142: Identified Species continued)**

Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Off Road Usage  
 Recreation

**Hydrology:**

San Cristobal Wash



### Linkage 143

#### Aguila Mountains – Granite Mountains

Sonoran Desert Ecoregion

County: Maricopa, Pima and Yuma

ADOT Engineering District: Tucson and Yuma

ADOT Maintenance: Gila Bend, Three Points and Yuma

ADOT Natural Resources Management Section: Phoenix and Tucson

AGFD: Region 4

BLM: Phoenix District

Congressional District: 7

Council of Government: Maricopa Association of Governments, Pima Association of Governments and Yuma Metropolitan Planning Organization

FHWA Engineering: A2 and A3

Legislative District: 24 and 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Barry Goldwater Air Force Range) 100%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*

**(Linkage 143: Identified Species continued)**

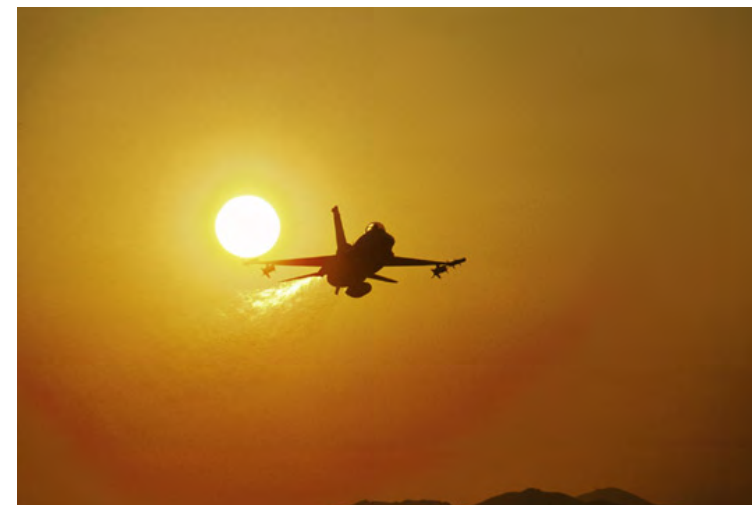
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Military Usage
- Off Road Usage
- Roads

**Hydrology:**

Growler Wash



### Linkage 144

#### Growler Mountains – Granite Mountains

Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson

ADOT Maintenance: Three Points

ADOT Natural Resources Management Section: Tucson

AGFD: Region 4

BLM: Phoenix District

Congressional District: 7

Council of Government: Pima Association of Governments

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

National Wildlife Refuge (Cabeza Prieta) 100%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*



## Linkage 145 Bates Mountains/Cipriano Hills – Agua Dulce Mountains/Quitobaquito Hills

Sonoran Desert Ecoregion

**(Linkage 144: Identified Species continued)**

- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Military Usage
- Off Road Usage
- Roads
- Recreation

**Hydrology:**

- Growler Wash



Photo by Bill Broyles

**County:** Pima

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Three Points

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	33%
Lower Colorado River Sonoran Desertscrub	67%

**Land Ownership:**

National Park Service (Organ Pipe)	84%
National Wildlife Refuge (Cabeza Prieta)	16%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*

**(Linkage 145: Identified Species continued)**

- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Off Road Usage
- Recreation
- Roads

**Hydrology:**

- San Cristobal Wash



Photo by Jack Dykinga



**Linkage 146**  
**Childs Mountain – Growler Mountains**  
 Sonoran Desert Ecoregion

**County:** Maricopa and Pima

**ADOT Engineering District:** Tucson and Yuma

**ADOT Maintenance:** Gila Bend and Three Points

**ADOT Natural Resources Management Section:** Phoenix and Tucson

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments and Pima Association of Governments

**FHWA Engineering:** A2 and A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense (Barry Goldwater Air Force Range) 4%  
 National Wildlife Refuge (Cabeza Prieta) 96%

**Identified Species:**

Ajo Mountain Whipsnake *Masticophis bilineatus lineolatus*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*

**(Linkage 146: Identified Species continued)**

Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage  
 Recreation  
 Roads

**Hydrology:**

Daniels Arroyo

**Linkage 147**  
**Growler Mountains – Bates Mountains**  
 Sonoran Desert Ecoregion

**County:** Pima

**ADOT Engineering District:** Tucson

**ADOT Maintenance:** Three Points

**ADOT Natural Resources Management Section:** Tucson

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Pima Association of Governments

**FHWA Engineering:** A2

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 77%  
 Lower Colorado River Sonoran Desertscrub 23%

**Land Ownership:**

Bureau of Land Management <1%  
 National Park Service (Organ Pipe) 88%  
 National Wildlife Refuge (Cabeza Prieta) 3%  
 State Trust Land 9%

**Identified Species:**

Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Bighorn Sheep *Ovis canadensis*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*



## Linkage 148

### Round Butte – Javelina Mountain

Sonoran Desert Ecoregion

**(Linkage 147: Identified Species continued)**

Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Off Road Usage  
 Recreation  
 Roads (Bates Well Road)

**Hydrology:**

Cherioni Wash  
 Cuerda de Lena  
 Growler Wash



**County:** Maricopa

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense  
 (Barry Goldwater Air Force Range) 100%

**Identified Species:**

Ajo Mountain Whipsnake *Masticophis bilineatus lineolatus*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*

**(Linkage 148: Identified Species continued)**

Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuena*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Military Usage  
 Off Road Usage  
 Roads

**Hydrology:**

Sand Tank Wash



**Linkage 149**  
**Sand Tank Mountains – Saucedá Mountains**  
 Sonoran Desert Ecoregion

County: Maricopa

ADOT Engineering District: Yuma

ADOT Maintenance: Gila Bend

ADOT Natural Resources Management Section: Phoenix

AGFD: Region 4 and Region 5

BLM: Phoenix District

Congressional District: 7

Council of Government: Maricopa Association of Governments

FHWA Engineering: A3

Legislative District: 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**

Department of Defense  
 (Barry Goldwater Air Force Range) 70%  
 Tribal Land (Tohono O'odham) 30%

**Identified Species:**

Ajo Mountain Whipsnake *Masticophis bilineatus lineolatus*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*

**(Linkage 149: Identified Species continued)**

Javelina *Tayassu tajacu*  
 Kit Fox *Vulpes macrotis*  
 Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*  
 Long-legged Myotis *Myotis volans*  
 Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*  
 Mexican Rosy Boa *Charina trivirgata trivirgata*  
 Mountain Lion *Felis concolor*  
 Mule Deer *Odocoileus hemionus*  
 Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*  
 Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*  
 Pocketed Free-tailed Bat *Nyctinomops femorosaccus*  
 Red-back Whiptail *Aspidoscelis burti xanthonota*  
 Sonoran Desert Tortoise *Gopherus agassizii*  
 Sonoran Pronghorn *Antilocapra americana sonoriensis*  
 Underwood's Bonneted Bat *Eumops underwoodi*  
 Western Burrowing Owl *Athene cunicularia hypugaea*  
 Yuma Myotis *Myotis yumanensis*

**Threats:**

Border Security  
 Grazing  
 Military Usage  
 Off Road Usage  
 Roads

**Hydrology:**

Sauceda Wash



**Linkage 150**  
**Little Table Top – Vekol Mountains**  
 Sonoran Desert Ecoregion

County: Pinal

ADOT Engineering District: Tucson

ADOT Maintenance: Casa Grande

ADOT Natural Resources Management Section: Tucson

AGFD: Region 4 and Region 5

BLM: Phoenix District

Congressional District: 7

Council of Government: Central Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**

Bureau of Land Management 20%  
 Tribal Land (Tohono O'odham) 80%

**Identified Species:**

Ajo Mountain Whipsnake *Masticophis bilineatus lineolatus*  
 Arizona Chuckwalla *Sauromalus ater*  
 Banded Gila Monster *Heloderma suspectum cinctum*  
 Big Free-tailed Bat *Nyctinomops macrotis*  
 Bighorn Sheep *Ovis canadensis*  
 Bobcat *Lynx rufus*  
 Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
 California Leaf-nosed Bat *Macrotus californicus*  
 Cave Myotis *Myotis velifer*  
 Desert Rosy Boa *Charina trivirgata gracia*  
 Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*  
 Greater Western Mastiff Bat *Eumops perotis californicus*  
 Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*  
 Javelina *Tayassu tajacu*



## Linkage 151 Gila/Salt River Corridor Granite Reef Dam – Gillespie Dam

Sonoran Desert Ecoregion

**(Linkage 150: Identified Species continued)**

- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood's Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

**Threats:**

- Border Security
- Grazing
- Off Road Usage
- Recreation
- Roads

**Hydrology:**

- Bitter Well Wash



**County:** Maricopa

**ADOT Engineering District:** Phoenix Maintenance and Yuma

**ADOT Maintenance:** Gila Bend, Phoenix Avondale, Phoenix Durango, Phoenix East Metro and Phoenix Mesa

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4 and Region 6

**BLM:** Phoenix District

**Congressional District:** 2, 4, 5, 6 and 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A1 and A3

**Legislative District:** 4, 12, 15, 16, 17, 18, 19, 23 and 25

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	4%
Lower Colorado River Sonoran Desertscrub	96%

**Land Ownership:**

Bureau of Land Management	11%
Bureau of Reclamation	2%
Game and Fish Land	4%
Parks and Recreation	2%
Private Land	57%
State Trust Land	4%
Tribal Land (Gila River)	18%
USDA Forest Service (Tonto)	2%

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Bald Eagle *Haliaeetus leucocephalus*
- Black-bellied Whistling-duck *Dendrocygna autumnalis*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*

**(Linkage 151: Identified Species continued)**

- California Leaf-nosed Bat *Macrotus californicus*
- Desert Pupfish *Cyprinodon macularius*
- Desert Sucker *Catostomus clarki*
- Least Bittern *Ixobrychus exilis*
- Lowland Leopard Frog *Rana yavapaiensis*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Western Yellow Bat *Lasiurus xanthinus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- Yuma Clapper Rail *Rallus longirostris yumanensis*

**Threats:**

- Canals (Arizona Canal; Arlington Canal; Branch San Francisco Canal; Buckeye Canal; Central Arizona Project Canal; Consolidated Canal; Grand Canal; Hayden Canal; Roosevelt Canal; San Francisco Canal; South Extension Canal; Southern Canal; St. Johns Canal; Tempe Canal)
- Granite Reef Dam
- Highways (I 10; I 17; SR 51; SR 85; SR 87; SR 101; SR 143; SR 153; SR 202)
- Railroad
- Recreation
- Urbanization

**Hydrology:**

- Agua Fria River Arizona Canal
- Arlington Canal
- Branch San Francisco Canal
- Buckeye Canal
- Central Arizona Project Canal
- Consolidated Canal
- Corgett Wash
- Gila River
- Grand Canal
- Granite Reef Dam
- Hayden Canal





## Linkage 152 Central Arizona Project Canal

Sky Island Ecoregion  
Sonoran Desert Ecoregion

**(Linkage151: Hydrology continued)**

- Hassayampa River
- Indian Bend Wash
- Luke Wash
- Lum Wash
- Roosevelt Canal
- Salt River
- San Francisco Canal
- South Extension Canal
- Southern Canal
- St. Johns Canal
- Tempe Canal
- Waterman Wash



Photo by Drew Stokes

**County:** La Paz, Maricopa, Pima and Pinal

**ADOT Engineering District:** Phoenix Maintenance and Yuma

**ADOT Maintenance:** Mesa and Quartzsite

**ADOT Natural Resources Management Section:** Phoenix, Prescott and Tucson

**AGFD:** Region 4, Region 5 and Region 6

**BLM:** Colorado River District, Gila District and Phoenix District

**Congressional District:** 1, 2, 3, 5, 6, 7 and 8

**Council of Government:** Central Arizona Council of Governments, Maricopa Association of Governments, Pima Association of Governments and Western Arizona Council of Governments

**FHWA Engineering:** A1 and A3

**Legislative District:** 3, 4, 6, 7, 8, 19, 22, 23, 24, 25, 26, 27 and 30

**Biotic Communities (Vegetation Types):**

AZ Upland Sonoran Desertscrub	23%
Lower Colorado River Sonoran Desertscrub	70%
Semidesert Grassland	7%

**Land Ownership:**

Bureau of Land Management	25%
Bureau of Reclamation	4%
County Land	0.2%
Department of Defense	0.5%
National Park Service (Saguaro)	0.3%
National Wildlife Refuge (Havasu)	0.1%
Parks and Recreation	0.4%
Private Land	35.2%
State Trust Land	29%
Tribal Land (Pascau Yaqui; Salt River; San Xavier)	5.1%
USDA Forest Service (Tonto)	0.2%

**(Linkage152: continued)**

**Identified Species:**

- Arizona Chuckwalla *Sauromalus ater*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotus*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Bonytail *Gila elegans*
- Cactus Ferruginous Pygmy Owl *Glaucidium brasilianum cactorum*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Clark's Grebe *Aechmophorus clarkii*
- Desert Rosy Boa *Charina trivirgata gracia*
- Desert Sucker *Catostomus clarki*
- Great Egret *Ardea alba*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Least Bittern *Ixobrychus exilis*
- Longfin Dace *Agosia chrysogaster*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Razorback Sucker *Xyrauchen texanus*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- Yellow-nosed Cotton Rat *Sigmodon ochrognathus*
- Yuma Clapper Rail *Rallus longirostris yumanensis*
- Yuma Myotis *Myotis yumanensis*



**(Linkage152: continued)**

**Threats:**

- Canals (Central Arizona Project Canal; Arizona Canal; Beardsley Canal)
- Granite Reef Dam
- Highway (I 10; I 17; SR 51; SR 74; SR 79; SR 86; SR 87; SR 101; SR 287; US 60)
- Railroad
- Recreation
- Urbanization

**Hydrology:**

- Agua Fria River
- Arizona Canal
- Beardsley Canal
- Big Granite Wash
- Bill Williams River
- Bootlegger Wash
- Brawley Wash
- Calcite Wash
- CAP Canal
- Cave Creek
- Centennial Wash
- Cunningham Wash
- Daggs Wash
- Deadman Wash
- Fourmile Wash
- Gila River
- Guild Wash
- Hassayampa River
- Jackrabbit Wash
- Mineral Wash
- New River
- Old Camp Wash
- Osborne Wash
- Queen Creek
- Salt River
- Santa Cruz River
- Skunk Creek
- Tiger Wash
- Trilby Wash
- Wagner Wash
- Weekes Wash

**(Linkage152: Hydrology continued)**

- Weir Wash
- Winters Wash

